



This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

Usage guidelines

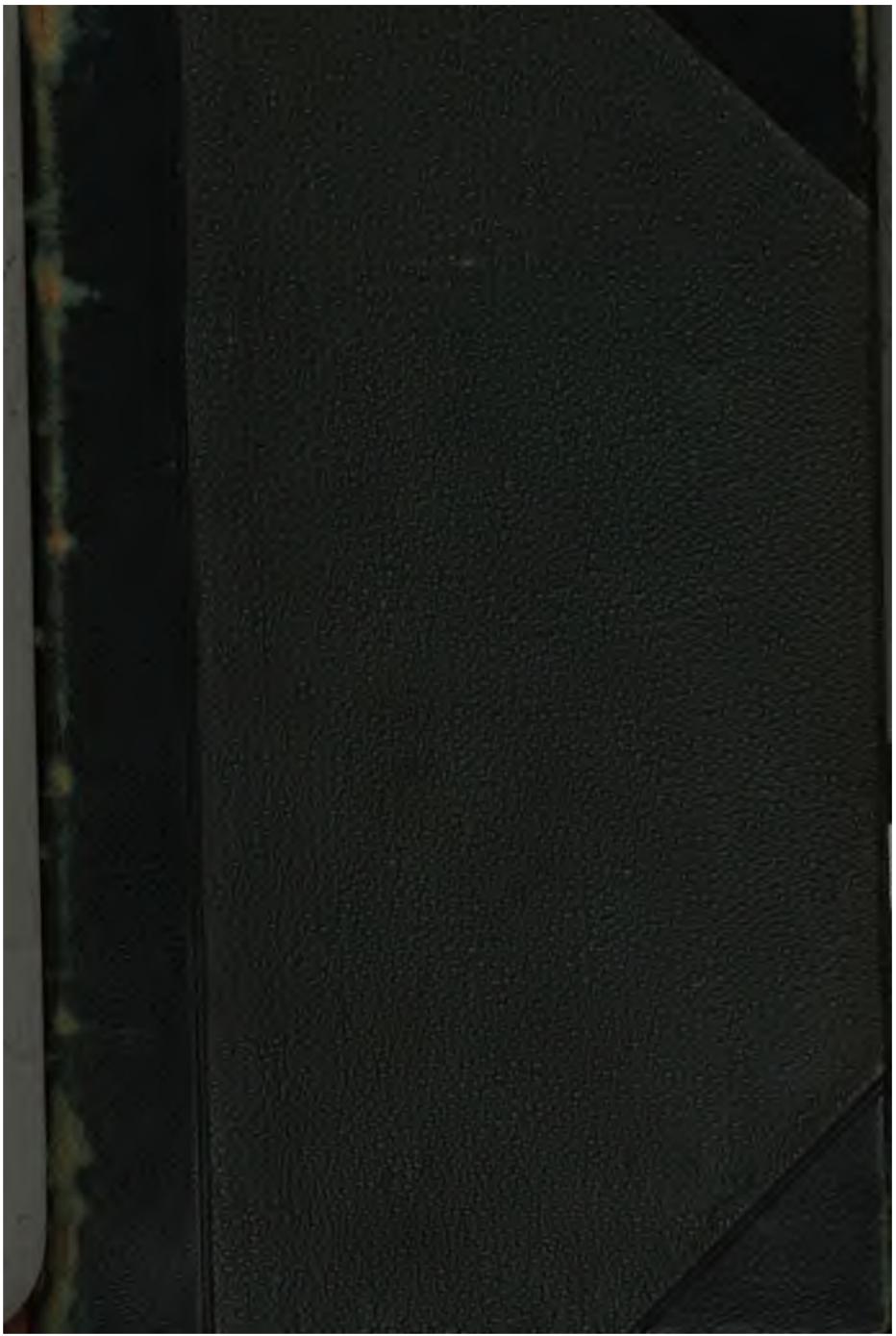
Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at <http://books.google.com/>



18949 e. 422

G.81. S. 10



E. BIBL. RADCL

B. M.
F. I.

REF. C. 1951
67





600030683Q

LIST
OF THE
SPECIMENS
OF
DIPTEROUS INSECTS
IN
THE COLLECTION
OF THE
BRITISH MUSEUM.

PART VI.
SUPPLEMENT II.

PRINTED BY ORDER OF THE TRUSTEES.
LONDON, 1854.

LONDON:
PRINTED BY EDWARD NEWMAN,
9, DEVONSHIRE ST., BISHOPSGATE.

JNTRODUCTION.

THE principal object of the present Catalogue has been to give a complete list of the specimens of Dipterous Insects contained in the collection of the British Museum, indicating at the same time the peculiarities of each, as regards variations of character, locality, and the source from whence it has been derived. With this view, the different individuals of each species contained in the collection are indicated by the letters *a*, *b*, *c*, &c., following the name of the species and its synomyes, and the description, if it appeared, to have been before undescribed.

The Catalogue of Dipterous Insects has been prepared and the new species described by Mr. FRANCIS WALKER, F.L.S., so well known for his attention to this order of Insects.

This part contains a revision of the family *Acroceridae* and part of the family *Asilidae*, with a description of the species added since the former parts were printed.

JOHN EDWARD GRAY.

British Museum,
December, 1854.



LIST OF DIPTERA.

SECOND SERIES.

PART II.

Fam. 4. ACROCERIDÆ.

Corpus latum, globosum. Caput oculis exceptis minimum. Ocelli tres. Antennæ triarticulatæ, brevissime stylatæ. Alæ latæ. Halteres alulis sèpissime obtectæ. Abdomen magnum, segmentis quinque. Pedes simplices.

Acroceridæ, *Leach*, *Samouelle's Compendium*; *Curt.*; *Steph.*; *Westw.*
Acrocerides, *Leach*, *Edinb. Encycl.*

Bombyliarii, p., *Lam.*

Apocera, p., *Dumeril.*

Inflatae, *Latr.*; *Wied.*

Inflata, *Meig.*; *Gimm.*

Stratiomydæ, p., *Fall.*

Vesiculosa, *Macq.*

Asiphoniæ, p., *Rafinesque.*

Cyrtites, *Newman.*

Ogcodini, *Rondani.*

Inflata (Henopii), *Agassiz.*

Acrocerinæ, *Zett.*

Henopii, *Erichson.*

Cyrtidii, *Bigot.*

- A. Proboscis longa.
- A. Antennæ triarticulatæ.
- a. Antennæ vertice insertæ. - - - - 1. Panops.
 - b. Antennæ fronte insertæ.
 - a. Alarum costa non angulata. - - - - 2. Lasia.
 - b. Alarum costa angulata. - - - - 3. Pteropexus.
- B. Antennæ biarticulatæ.
- a. Antennæ vertice insertæ.
 - a. Vena subcostalis alæ dimidio longior. - - - - 4. Cyrtus.
 - b. Vena subcostalis alæ dimidio brevior. - - - - 5. Exetasis.
 - b. Antennæ fronte insertæ.
 - a. Prothoracis lobi dorsales remoti. - - - - 6. Psilodera.
 - b. Prothoracis lobi dorsales contigui.
 - i. Oculi sub antennis contigui. - - - - 7. Thyllis.
 - ii. Oculi sub antennis divergentes. - - - - 8. Philopota.
- B. Proboscis brevis. Alulæ maximæ.
- A. Antennæ triarticulatæ.
- a. Antennæ vertice insertæ.
 - a. Corpus vix villosum. - - - - 9. Ocnaea.
 - b. Corpus valde villosum. - - - - 10. Eriosoma.
 - b. Antennæ fronte insertæ.
 - a. Antennæ articulis basalibus disjunctis. - - - - 11. Astomella.
 - b. Antennæ articulis basalibus connatis. - - - - 12. Pialea.
 - c. Antennæ capitis basi insertæ. - - - - 13. Physegaster.
- B. Antennæ biarticulatæ.
- a. Arista nulla. - - - - - 14. Pterodontia.
 - b. Arista distincta.
 - a. Antennæ vertice insertæ. - - - - - 15. Acrocera.
 - b. Antennæ fronte insertæ. - - - - - 16. Terphis.
- C. Proboscis nulla. Os clausum. - - - - - 17. Henops.
- D. Proboscis brevis. Alulæ minimæ. - - - - - 18. Sphærogaster.

Genus 1. PANOPS.

Oculi sub antennarum basi contigui. Ocelli tres. Proboscis longa. Antennæ triarticulatæ, vertice insertæ. Prothoracis lobi dorsales remoti.

Panops, Lamarck, Ann. Mus. d'Hist. Nat. iii. 263; Latr. Encycl. viii. 707; Dict. d'Hist. Nat. xxiv. 467; Gen. Crust. et Ins. iv. 316; Oliv.; Wied.; Macq.; Erichs.
 Mesophysa, Macq.

1. PANOPS BAUDINI.

Niger; antennæ concolores; abdominis segmenta 2um et 3um macula utrinque laterali flavescente; femora tibiæque apice albida; alæ subinfuscatae, venis nigris.

Panops Baudini, Lam. Ann. Mus. d'Hist. Nat. iii. 266, pl. 22, f. 3; Latr. Gen. Crust. et Ins. iv. 316; Enc. Méth. viii. 710, 1; Dict. d'Hist. Nat. xxiv. 467. Wied. Auss. Zweifl. ii. 19, 2. Macq. Hist. Nat. Dipt. i. 365, 2. Erichs. Entomogr. i. 141, 1. Mesophysa marginata, Macq. Dipt. Exot. i. 2, 198, 2.
New Holland.

2. PANOPS FLAVIPES.

Aeneo-niger; ocelli tuberculo insertæ; antennæ basi, tibie tarsi que flavidæ; alæ inauratae, alulis albidis.

Panops flavipes, Latr. Enc. Méth. viii. 710, 2; Dict. d'Hist. Nat. xxiv. 467; Cuv. Règn. Anim. iii. Wied. Auss. Zweifl. ii. 649. Erichs. Entomogr. i. 141, 2.
Mesophysa scapularis, Macq. Dipt. Exot. i. 2, 167, 1.
New Holland.

Genus 2. LASIA.

Oculi villosi, super antennarum basim contigui. Ocelli tres. Proboscis longa. Antennæ triarticulatæ, fronte insertæ. Prothoracis lobi dorsales remoti.

Lasia, Wied. Anal. Ent. ii.; Auss. Zweifl. i. 329; Perty; Erichs.; Westw.
Panops, p., Wied.; Macq.

Subcostal vein ending at much before two-thirds of the length of the wing; mediastinal ending at a little beyond five-sixths of the length; radial ending at a little beyond the mediastinal; the two branches of the cubital curved forward from the hinder part of the wing, and ending at some distance in front of the tip: three externo-medial veins; first running very near the cubital, and connected with it at the fork of the latter, extending like the third to the border of the wing; second not extending to the border, connected with the first and with the second by two transverse veinlets; subanal vein joining the anal at some distance from the border of the wing.

1. LASIA FLAVITARSIS.

Cyanea, cano hirta; proboscis, antennæ pedesque nigra; proboscis corpore longior; tarsi subtus rufi pubescentes; alæ subcinereæ, venis nigris.

- Panops flavitarsis, Wied.; *Macq. Dipt. Exot.* i. 2, 166.
Lasia splendens, Wied. *Anal. Ent.* ii. f. 3; *Auss. Zweifl.* i. 330, 1,
 pl. 4, f. 3. *Erichs. Entomogr.* 144, 4.
Lasia flavitarsis, *Erichs. Entomogr.* i. 143, 1.
 a. Santarem, Brazil. From Mr. Bates' collection.
 b, c. Rio Tapayos, Brazil. From Mr. Bates' collection.

2. LASIA CORVINA.

Nigra, nitida; thorax nigro hirtus; alæ hyalinæ, costa nigra; alulae nigricantes.

- Lasia corvina*, *Erichs. Entomogr.* i. 143, 2.
 Chili.

3. LASIA OCELLIGERA.

Ænea; flavidò hirta, proboscis testacea; antennæ nigræ, basi flave; tibiæ tarsi que flavae; alæ hyalinæ, costa testacea.

- Panops ocelliger, Wied. *Auss. Zweifl.* ii. 19, 3. *Macq. Dipt. Exot.* i. 2, 166, pl. 14, f. 1. *Guér. Icon. Régne. Anim. Ins.* pl. 94, f. 9.
Lasia ocelligera, *Erichs. Entomogr.* i. 143, pl. 94, f. 9.
 Cassapawa, Brazil.

4. LASIA AURICOMA.

Ceruleo-viridis, nitida; thoracis dorsum cupreum; abdominis segmenta apicalia aureo pilosa; pedes nigri, tarsis luteis.

- Lasia auricoma*, *Westw. Trans. Ent. Soc. Lond.* v. 93.
 Brazil.

5. LASIA BUFIPIES.

Aeneus; thorax et abdomen valde lutes pilosa, pedes alarumque vena costales testacea.

*Lasia rufipes, Westw. Trans. Ent. Soc. Lond. v. 92.
Brazil.*

Genus 3. PTEROPEXUS.

Frons linearis. Oculi villosi. Proboscis longa. Palpi brevisimi. Antennæ capitis antici medio insertæ, articulo 1o subconico, 2o cyathiformi, 3o longo angusto. Alarum costa apicem versus angulata.

Ptenopexus, Macq. Dipt. Exot. Suppl. 1, 97.

Subcostal vein ending before half the length of the wing; mediastinal ending at much beyond three-fourths of the length. Radial ending at a little in front of the tip. Cubital simple, ending at a little behind the tip. First, second, and fourth externo-medial veins complete; third abbreviated. Subanal vein joining the anal near the border. Discal areolet elongate, tetragonal.

1. PTEROPEXUS BICOLOR.

Mas. *Viridis; facies antennæque nigrae; abdomen violaceum; pedes fulvi; alæ subfuscæ.*

*Pteropexus bicolor, Macq. Dipt. Exot. Suppl. 1, 92, 1, pl. f. 2.
New Grenada.*

Genus 4. CYRTUS.

Oculi pubescentes, sub antennarum basi contigui. Ocelli tres. Proboscis longa. Antennæ biarticulatae, vertice insertæ. Prothoracis lobi dorsales remoti.

*Cyrtus, Latr. Precis. 151; Meig.; Wied.; Macq.; Erichs.
Acroera, p., Fabr. Syst. Antl. 332.
Henops, p., Illig. Käf. Preuss. 500.*

Costal vein ending at a little in front of the tip of the wing ; subcostal vein ending at much beyond half the length ; mediastinal ending at beyond five-sixths of the length ; radial nearly straight, ending at a little beyond the mediastinal ; first branch of the cubital ending in front of the tip of the wing ; second branch ending at much behind the tip ; three externo-medial veins extending to the border of the wing ; subanal vein joining the anal at some distance from the border ; discal areolet tetragonal, very long and narrow.

Europe.

1. CYRTUS GIBBUS.

Nigro flavoque varius ; abdomen subtus flavum, trifariam nigro maculatum ; pedes flavi ; alæ fuscae.

Acrocera gibba, Fabr.

Cyrtus acephalus, Duméril, Cons. Gen. Ins. pl. 48, f. 7.

Cyrtus gibbus, Erichs. Entomogr. 147, 1.

2. CYRTUS PUSILLUS.

Niger ; thorax flavo maculatus ; abdomen fasciis latis sinuatis interruptis flavis, subtus flavum trifariam nigro maculatum ; pedes flavi ; alæ fuscae.

Cyrtus pusillus, Macq. Hist. Nat. Dipt. i. 366, 2. Meig. Zweifl. vii. 101, 2. Erichs. Entomogr. 148, 2.

Cyrtus gibbus, Var.?

South France.

North America.

3. CYRTUS MAGNUS.

Cyrtus magnus, Cut. of Diptera, Pt. 3, 511.

Africa.

4. CYRTUS DENTATUS.

Fœm. *Niger ; thoracis latera flavo maculata ; abdomen fasciis interruptis emarginatisque flavis ; pedes flavi ; alæ fuscae.*

Cyrtus dentatus, *Macq. Dipt. Exot.* i. 2, 168, 1, pl. 14, f. 3.
Erichs. Entomogr. 148, 3.

Cyrtus gibbus, Var.?

Algiers.

Genus 5. EXETASIS.

Antennæ triarticulatæ, capite paullo longiores; articulus 1us brevis, 2us adhuc brevior; 3us longissimus, linearis.

Exetasis, Diptera Saundersiana, Pt. 3, 202.

Subcostal vein ending before half the length of the wing; radial ending at beyond three-fourths of the length; cubital forked near its base, the first fork ending a little before, and the second a little behind, the tip of the wing; first, second and fourth externo-medial veins complete; third abbreviated; subanal and anal veins united on the border.

1. EXETASIS TUMENS.

Exetasis tumens, Diptera Saundersiana, Pt. 3, 203.

Brazil.

Genus 6. PSILODERA.

Oculi glabri, super antennarum basim contigui. Ocelli tres, minimi. Proboscis longa. Antennæ biarticulatæ, fronte insertæ. Prothoracis lobi dorsales remoti.

Psilodera, G. R. Gray, Griff. Anim. Kingd. Ins. xv. 779;
Erichs.

Cyrtus, p., *Wied.*

Mesocera, *Macq.*

Wings transversely rugulose: subcostal vein ending at a little beyond half the length of the wing; mediastinal ending at beyond five-sixths of the length; radial curved towards the disk, ending at a little beyond the mediastinal; branches of the cubital curved towards the hind border, and ending at a little in front of the tip of the wing: three externo-medial veins; subanal vein joining the anal at some distance from the border.

1. PSILODERA VALIDA.

Aenea; thorax flavidus hirtus, humeris, lateribus punctisque duobus ante scutellum sulphureis; abdomen rufum, incisuris flavis; pedes sulphurei, tibiis anticus apice subtus nigris; alæ hyalinæ.

Cyrthus validus, *Wied. Auss. Zweifl.* ii. 131.

Mesocera flavigornis, *Macq. Dipt. Exot.* i. 2, 174, 1.

Psilodera valida, *Erichs. Entomogr.* 145, 1.

South Africa.

2. PSILODERA BIPUNCTATA.

Nigra; thorax humeris, lateribus punctisque binis ante scutellum sulphureis; abdomen ferruginosum, sulphureo fasciatum; alæ liniæ.

Cyrthus bipunctatus, *Wied. Zool. Mag.* iii. 15, 20; *Auss. Zweifl.* ii. 14, 3, pl. 7, f. 1.

Psilodera bipunctata, *Erichs. Entomogr.* 145, 2.

Cape.

3. PSILODERA FASCIATA.

Nigra; thorax cinereo hirtus; abdomen albido fasciatum; pedes sulphurei; alæ flavescentes.

Cyrthus fasciatus, *Wied. Zool. Mag.* iii. 14, 19; *Auss. Zweifl.* ii. 14, 2.

Psilodera capensis, *G. R. Gray, Griff. Anim. Kingd. Ins.* xv. 779, pl. 128, f. 4. *Westw. Trans. Ent. Soc. Lond.* v. 92.

Psilodera fasciata, *Erichs. Entomogr.* 146, 3.

4. PSILODERA AFFINIS.

Lutea; thorax plaga lata dorsali antice subito angustata ænea; abdomen supra saturate fusco testaceum, villosum, segmentis 1o ad 3um macula media nigra ad basim haud dilatata.

Psilodera affinis, *Westw. Trans. Ent. Soc. Lond.* v. 92.

Cape.

Genus 7. THYLLIS.

Oculi pubescentes, super et sub antennarum basi contigui. Ocelli tres. Proboscis longa. Antennae biarticulatae, fronte insertae. Prothoracis lobi dorsales contigui.

Thyllis, Erichs. Entomogr. i. 149.

Acrocera, p., Fabr.

Cyrtus, p., Wied.

Subcostal vein ending at much beyond half the length of the wing; mediastinal ending at about three-fourths of the length; radial ending at about five-sixths of the length: first branch of the cubital obsolete; second ending at a little behind the tip of the wing; first and second externo-medial veins complete; third abbreviated; subanal and anal veins united near the border, to which they do not extend; discal areolet elongated, subtetragonal.

1. THYLLIS CRASSUS.

Nigra, rufo varia; prothoracis margo anticus, mesothoracis vitta lateralis flexuosa, abdominisque fasciae interruptae flava; alae ad costam fuscae.

Acrocera crassa, Fabr. Syst. Antl. 332, 2.

Cyrtus crassus, Wied. Auss. Zweifl. ii. 15, 4.

Thyllis crassa, Erichs. Entomogr. i. 150, 1.

Cape.

2. THYLLIS TURGIDA.

Nigra, rufo varia; prothoracis margo anticus et posticus, mesothoracisque vitta lateralis flava; alae fusco hyalinæ, ad costam fuscae.

Thyllis turgida, Erichs. Entomogr. i. 150, 2.

Cape.

3. THYLLIS OBESA.

Nigra; prothoracis margo anticus et posticus, mesothoracis vittæ 2 marginales, scutellum et segmentorum abdominalium margines postici flava; alae hyalinæ, ad costam fuscae.

Thyllis obesa, Erichs. Entomogr. i. 151, 3.

Cape.

4. THYLLIS COMPRESSA.

Nigra; thorax compressus, utrinque vitta maculisque posticis ferrugineis; abdomen oblongum, ferrugineum, segmentis macula basali biloba nigra.

Thyllis compressa, Erichs. *Entomogr.* 151, 4.

Cape.

Genus 8. PHILOPOTA.

Oculi subpubescentes, super antennarum basim contigui. Ocelli tres. Proboscis longa. Antennæ biarticulatæ, fronte insertæ. Prothoracis lobi dorsales contigui.

Philopota, Wied. *Auss. Zweifl.* ii. 17; Westw.; Macq.; Erichs.

Subcostal vein ending at much beyond half the length of the wing; mediastinal ending at much beyond the subcostal; radial ending at about seven-eighths of the length; branches of the cubital vein, extero-medial veins and subanal vein not extending to the border.

South America.

1. PHILOPOTA CONICA.

Nigra; thoracis limbus, abdominis margines lineaque transversæ flava; tibiæ flavæ, anteriores nigro vittatae; alæ rufo-fusca.

Philopota conica, Wied. *Auss. Zweifl.* ii. 17, 1, pl. 9, f. 1. Macq. *Hist. Nat. Dipt.* i. 366, 1; *Dipt. Exot.* ii. 171, 1, pl. 14, f. 4. Westw. *Trans. Ent. Soc. Lond.* v. 94. Erichs. *Entomogr.* i. 154, 4.

Brazil.

2. PHILOPOTA MACULICOLLIS.

Nigro-picea; facies angusta, inter oculos albida; proboscis flava, apice fusca; prothorax dorsi angulis posticis productus, apice extremo ferrugineo; mesothorax punctis duobus minutis anticus alterisque duobus cuneatis supra basim alarum ferrugineis; abdomen piceo-nigrum, margine laterali tenui subtus pallide flavo; femora nigra, basi rufa, apice luteo-fusca; tibiæ posticæ extus pallide flavae; alæ infumatae, dimidio postico pallidiore.

Philopota maculicollis, Westw. *Lond. and Edin. Phil. Mag.* 1835.

Trans. Ent. Soc. Lond. v. 93.

Philopota vidua, Erichs. *Entomogr.* i. 153, 1.

Brazil.

3. PHILOPOTA LITURATA.

Fusco-nigra ; prothoracis margo anticus et posticus, mesothoracis utringue linea flexuosa flava ; alae fusco hyalinæ ; abdomen subopacum punctatissimum.

Philopota liturata, Westw. *Trans. Ent. Soc. Lond.* v. 94.

Philopota ovata, Mas.?

Brazil.

4. PHILOPOTA OVATA.

Fusca, punctatissima ; thorax et abdomen basi lineis flavis notata ; alae fusco hyalinæ, costa late fusca.

Philopota ovata, Westw. *Trans. Ent. Soc. Lond.* v. 95.

a. Rio Tapayos, Brazil. From Mr. Bates' collection.

5. PHILOPOTA TUBERCULATA.

Nigra, luteo villosa ; mesothorax postice bituberculatus ; alæ fusco hyalinæ, dimidio antico fusco, abdomen basi utringue luteum.

Philopota tuberculata, Westw. *Trans. Ent. Soc. Lond.* v. 95.

Brazil.

6. PHILOPOTA HISTRIO.

Eneo-nigra ; prothoracis flavi latera vitta tenui nigra ad basim alarum extensa et cum margine tenui antico nigro mesothoracis litteram M formante ; coxae anticae flave.

Philopota histrio, Erichs. *Entomogr.* i. 153, 2. Westw. *Trans. Ent. Soc. Lond.* v. 96.

Brazil.

7. PHILOPOTA TURBINATA.

Fusca, cinereo sericans; thoracis litura et macula abdominalis margo lateralis dentatus flava; pedes genibus omnibus tibialisque posticis extus sulphureis; alæ fuscō hyalinae, antice rufatis infuscatae; halteres albidi.

Philopota turbinata, Erichs. Entomogr. i. 154, 3.

Brazil.

8. PHILOPOTA SOBRIA.

Philopota sobria, Diptera Saundersiana, Pt. 3, 195.

South America.

9. PHILOPOTA TEMPERATA.

Philopota temperata, Diptera Saundersiana, Pt. 3, 196.

South America.

Asia.

10. PHILOPOTA MURINA.

Mas et Fœm. *Cinerea; abdominis margo lateralis pedeque lidi; alæ fuscescentes.*

Philopota murina, Loew, Stett. Ent. Zeit. v. 163, 1, pl. 2, f. 17.

Asia Minor. Isle of Stanchio.

Genus 9. OCNÆA.

Oculi vilosi, sub antennis approximati. Ocelli trea. Proboscis brevis. Antennæ triarticulatæ, vertice insertæ. Prothoracis dorsales remoti.

Eriosoma, Macq. Dipt. Exot. i. 2, 172.

Ocnæa, Erichs. Entomogr. i. 155.

Acrocera, p., Wied.

Subcostal vein ending at about two-thirds of the length of wing; mediastinal ending at about five-sixths of the length; radii ending at a little in front of the tip; cubital simple: four extreme medial veins, first and third abbreviated; subanial vein united to the anal on the border; discal areolet long, narrow, pentagonal.

1. OCNEA MICANS.

² *Fusca ; thorax pube cinerea micante vestitus ; abdominis segmenta 2um et 3um testacea ; alæ fuscescente hyalinae.*

Ocnea micans, Erichs. Entomogr. i. 155, 1.

Mexico.

2. OCNEA LONGICORNIS.

Nigra, nitida ; thorax fusco villosus ; abdomen testaceum, maculis trigonis dorsalibus nigris ; alæ fuscescente hyalina, ante apicem nigrae.

Ocnea longicornis, Erichs. Entomogr. i. 156, 2, pl. 1, f. 8.

Brazil.

Genus 10. ERIOSOMA.

Corpus villosum. Proboscis brevis.

Eriosoma, Macq. Dipt. Exot. i. 2, 172.

Acrocera, p., Wied.

² *Ocnea, p., Erichs. •*

Subcostal vein ending at beyond half the length of the wing ; mediastinal ending at about two-thirds of the length ; radial ending at about five-sixths of the length ; cubital simple, united near the border with the first externo-medial ; second externo-medial incomplete ; third and fourth united near the border of the wing ; subanal and anal united very near the border ; discal areolet elongate, hexagonal.

loc

1. ERIOSOMA CALIDA.

Lutea ; pedes fusi ; alæ hyalinæ, alulis eburneis, fuso limbatis.

Acrocera calida, Wied. Auss. Zweifl. ii. 16, 1, pl. 7, f. 2.

² *Eriosoma calida, Macq. Dipt. Exot. i. 2, 173, 1, pl. 14, f. 5.*

² *Ocnea calida, Erichs. Entomogr. i. 157, 3.*

Brazil.

Genus 11. ASTOMELLA.

Caput humile, parvum, globosum. Oculi pilosuli, super antennas contigui. Ocelli obsoleti. Proboscis brevis. Antennæ approximatae, fronte insertæ, capite longiores, triarticulatae; articuli 1us et 2us æquales, rotundati, breves; 3us oblongus, valde compressus, apice obtusus, 2o quadruplo longior. Thorax altus, convexus. Prothoracis lobi dorsales remoti. Abdomen oblongum, vesiculosum. Pedes sat longi et validi. Alæ corpore breviores, apice rotundatae. Alulæ magnæ, villosæ, diaphanæ margine calloso. *Astomella*, *Leon Duf. Ann. Sci. Nat. xxx. 210*; *Erichs. Entomogr. i. 167.*

1. ASTOMELLA AUREA.

Nigra, fulvo villosa; abdomen globosum, testaceum, maculis magnis dorsalibus nigris; pedes testacei; alæ corpore haud breviores.

Astomella aurea, *Erichs. Entomogr. i. 158*, 1.

Portugal.

2. ASTOMELLA GRAVIS.

Nigra, luteo villosa; abdomen oblongum, incurvum, testaceum, maculis dorsalibus apiceque nigris; pedes testacei; alæ corpore multo breviores.

Astomella gravis, *Erichs. Entomogr. i. 158*, 2.

Syria.

3. ASTOMELLA CLAVICORNIS.

Nigra, cinereo villosa; abdomen incurvum, testaceum, segmentis basi macula magna dorsali transversa nigra; pedes testacei, posteriores tibiis tarsisque nigris; alæ hyalinæ, corpore breviores, venis duabus costalibus nigris.

Astomella clavicornis, *Latr. Cons. Gén. 443*; *Dict. d'Hist. Nat. iii. 33.*

Astomella marginata, *Latr. Cons. Gén. 443*; *Nouv. Dict. d'Hist. Nat. Meig. Zweifl. vii. 103*, 1.

Astomella curvitentris, *Dufour, Ann. Sci. Nat. xxx. 210*. *Erichs. Entomogr. i. 159*, 3.

Spain, near Madrid.

4. ASTOMELLA LINDENII.

Nigra, luteo villosa ; abdomen testaceum, segmentis quatuor primis dorso nigro maculatis ; pedes testacei ; alæ abdomine breviores.

Astomella Vaxelii, Vanderlinden, Bull. Soc. Philomat. 1822 ; Dict. Class. Hist. Nat. Art. Astomella. Macq. Hist. Nat. Dipt. i. 367, 2.

Astomella Lindenii, Erichs. Entomogr. i. 159, 4.

Italy.

Genus 12. PIALEA.

Oculi hirti, remoti. Ocelli duo. Proboscis brevis. Antennæ triarticulatæ, fronte insertæ, basi connatæ. Prothoracis lobi dorsales remoti.

Pialea, Erichs. Entomogr. i. 160.

Subcostal vein ending at beyond half the length of the wing ; mediastral extending far beyond the subcostal ; radial ending at far in front of the tip of the wing ; cubital including the tip of the wing between its forks ; two incomplete externo-medial veins ; sub-anal vein nearly reaching the border ; anal vein much abbreviated : discal areolet long, narrow, tetragonal.

1. PIALEA LOMATA.

Nigra, cinereo pubescens ; abdominis limbus apicalis testaceus ; pedes fusci, femoribus basi pallidis, tibiis posticis basi pallidis infra medium incrassatis, tarsorum articulis 2o, 3o, 4o totis, & basi testacei ; alæ fuscopallidæ, halteres fusci.

Pialea lomata, Erichs. Entomogr. i. 161, 1, pl. 1, f. 9.

Brazil.

Genus 13. PHYSEGASTER.

Oculi villosi. Ocelli duo distincti. Proboscis brevis, occulta ; antennæ triarticulatæ, capitibas insertæ ; articuli 1us et 2us brevis ; 3us elongatus ; arista nulla. Thorax villosus. Abdomen fere nudum. Pedes nudi ; tibiæ apice subcælaratae.

Subcostal vein ending at much beyond half the length of the wing; mediastinal ending at a little beyond the subcostal; radial ending at some distance in front of the tip of the wing; cubital simple; first externo-medial complete; second and third abbreviated; subanal vein united to the anal at some distance from the border; discal areolet tetragonal, very long and narrow.

Physegaster, *Macq. Exped. de l'Alg.* iii. *Ins. 445.*

1. PHYSSEGASTER MACULATUS.

Niger; antennarum articulus 3us ad basim testaceus; thorax fulvo pilosus; abdomen flavo fulvescens, maculis trigonis flavis; pedes flavi, coxis tarsisque rufescens.

Physegaster maculatus, *Macq. Exped. Alg.* iii. *Ins. 445*, 88, pl. 3, f. 6.

Algeria.

Genus 14. PTERODONTIA.

Corpus villosum. Oculi hirti, contigui. Ocelli tres. Proboscis brevis. Antennæ biarticulatae, facie insertæ. Prothoracis lobi dorsales remoti. Alæ costa dilatata.

Pterodontia, *G. R. Gray*, *Griff. Anim. Kingd.* xv. 779; *Macq.; Erichs.; Westw.*
Henops? p., *Klug.*; *Meig.*

Costa forming a tooth between the tips of the subcostal and mediastinal veins; costal vein ending at a little in front of the tip of the wing; subcostal ending at a little beyond half the length; mediastinal ending at beyond two-thirds of the length; radial ending at a little beyond the mediastinal; cubital not forked, ending at far in front of the tip of the wing; one externo-medial vein extending to the border; subanal and anal veins united near the border.

1. PTERODONTIA FLAVIPES.

Nigra; scutellum et abdomen basi ad dorsum nigro maculata; abdomen testaceum; pedes pallidi, femoribus posterioribus nigris.

Pterodontia flavipes, *G. R. Gray*.

Georgia.

2. PTERODONTIA ANALIS.

Nigra ; abdominis segmenta apicalia fulva, alulae margine nigricantes ; alae hyalinae, venis albidis ; pedes pallidi.

Pterodontia analis, Westw. *Trans. Ent. Soc. Lond.* v. 97.

Georgia.

The five following species may probably be removed from this genus.

3. PTERODONTIA WAXELII.

Nigra ; abdomen testaceum, vitta dorsali abbreviata punctoque posteriore nigris ; pedes testacei, femoribus posterioribus nigris ; alae hyalinae, basim versus flavescentes, costa pallide testacea.

Henops Waxelii, Klug, *Mag. der Naturf. Gesellsch. zu Berl.* i. 265, pl. 7, f. 6. Meig. *Zweifl.* iii. 101, 5.

Pterodontia Waxelii, Erichs. *Entomogr.* i. 162, 1.
Astomella ?

Achtiar, Black Sea.

4. PTERODONTIA ANALIS. (Nomen bis lectum.)

Mas. *Nigra ; abdomen postice fulvum, punctis dorsalibus nigris ; pedes fulvi, femoribus posterioribus nigris, tarsis flavis ; alae subflavescentes, macula costali subfuscata.*

Pterodontia analis, Macq. *Dipt. Exot. Suppl.* 1, 98, 1, pl. 9, f. 4.
New Grenada. Temperate Region.

5. PTERODONTIA VIRMONDII.

Nigra, nigro villosa ; abdomen testaceum, basi maculisque dorsalis et lateralibus nigris ; pedes testacei, posteriores basi nigri ; alae hyalinae, costa flavescente testacea.

Pterodontia Virmondii, Erichs. *Entomogr.* i. 163, 3.
Brazil.

6. PTERODONTIA MELLII.

*Nigra ; abdomen testaceum, basi vittaque dorsali integra nigris ;
pedes antici testacei basi nigri, posteriores nigri tarsis testaceis ;
alæ hyalinæ, costa testacea.*

Pterodontia Mellii, Erichs. Entomogr. i. 163, 2.

Liverpool Plains, New Holland.

7. PTERODONTIA MACQUARTII.

*Atra ; scutellum abdominisque latera rufa; pedes flavi, femoribus
anticis nigris.*

Pterodontia Macquartii, Westw. Trans. Ent. Soc. Lond. v. 97.

Pterodontia flavipes, Macq. Dipt. Exot. i. 2, 175.

Pterodontia Mellii, Var.?

New Holland.

Genus 15. ACROCERA.

Corpus minoris magnitudinis, subglobosum, gibbum, breviter pubescens, nigricans. Oculi glabri, sub antennis contigui. Ocelli tres. Proboscis brevis. Antennæ biarticulatae, vertice insertæ. Prothoracis lobi dorsales remoti. Alarum vena subapicalis furcata.

Acrocera, Meig. Illig. Mag.; Klass. 147; Latr.; Macq.; Zett.; Erichs.

Syphus, p., Fabr. Ent. Syst.; Panz.

Henops, p., Fabr. Syst. Antl.; Meig. Klass.; Zett.

Costal vein ending at a little in front of the tip of the wing; subcostal ending at beyond half the length; mediastinal ending at a little beyond the subcostal; radial ending at about four-fifths of the length; first branch of the cubital ending at a little in front of the tip of the wing; second branch ending at much behind the tip; one externo-medial vein reaching the border; anal not united to the subanal.

Europe.

1. ACROCERA SANGUINEA.

Nigra; alæ subcinereæ. Mas.—*Thorax testaceo quadrivittatus; abdomen supra testaceum, e maculis transversis nigris trivittatum; pedes testacei.* Fœm.—*Abdomen supra rufum, maculis nigris trivittatum; pedes picei, genuibus fulvis.*

Acrocera sanguinea, Latr.; Erichs. Entomogr. i. 167, 5.

2. ACROCERA NIGROFEMORATA.

Nigra; abdomen testaceum, punctis dorsalibus nigris; pedes rufo testacei, femoribus nigris; alæ fuscantes.

Acrocera nigrofemorata, Meig. Klass. 148, 4; Zweifl. iii. 95, 2, pl. 24, f. 10. Erichs. Entomogr. i. 167, 6.

Acrocera sanguinea, Var.?

3. ACROCERA GLOBULUS.

Mas.—*Nigra; antennæ fulvæ, apice nigræ; thoraci latera flavo maculata et fasciata, scutellum flavum; abdomen luteum, basi nigro fasciatum, lateribus nigro maculatis; pedes flavi; alæ limpide.* Fœm.—*Nigra; thoracis latera flavo maculata et fasciata; abdomen fulvum, apice flavo fasciatum; pedes fulvi.*

Acrocera globulus, Latr.; Zett. Dipt. Scand. i. 229, 1. Erichs. Entomogr. i. 165, 1. Gimm. Bull. Soc. Imp. Nat. Mosc. 1847, xx. 3, 166, 1.

Acrocera albipes, Meig.

4. ACROCERA ORBICULUS.

Nigra; abdomen fuscum, segmento 2o 3oque maculis duabus, reliquis totis albidis; pedes albidi; alæ hyalinæ; halteres albi.

Syrphus orbiculus, Fabr. Ent. Syst. iv. 311, 122.

Henops orbiculus, Fabr. Syst. Antl. 334, 2. Meig. Klass. i. 152, a.

Acrocera orbiculus, *Meig.* *Zweifl.* iii. 97, 5. *Macq. Dipt. Nord.*
Asil. 92, 1; *Hist. Nat. Dipt.* i. 370, 3. *Erichs. Entomogr.* i.
 165, 2.
Ogcodes pubescens? *Latr. Hist. Nat. Ins.* xiv. 315, 2.
 Hartz District, Germany.

5. ACROCERA TUMIDA.

*Nigra, nitida; abdomen aurantiacum, segmentis 2o 3oque nigris
 aurantiaco maculatis, 4o nigro maculato; pedes testacei, genu-
 bus tarsisque albidis; alæ hyalinæ; halteres albi.*

Acrocera tumida, *Erichs. Entomogr.* i. 166, 3.
 Germany?

6. ACROCERA BOREALIS.

*Nigra; thorax macula humerali parva et alia juxta scutellum
 utrinque valde obsoleta, albidis; pedes pallidi, tarsis apice
 fuscis; alæ hyalinæ.*

Acrocera borealis, *Zett. Ins. Lapp.* 573, 1; *Dipt. Scand.* i. 230, 2.
Erichs. Entomogr. i. 167, 7.
 Lapland.

7. ACROCERA TRIGRAMMA.

*Pallide flavescens; thorax vittis tribus, abdomen macularum serie
 triplici nigris.*

Acrocera trigramma, *Loew, Ent. Zeit. Stett.* 1845, 290.
 Sicily.

North America.

8. ACROCERA FASCIATA.

*Nigra; abdomen flavum, fasciis tribus nigris, anterioribus utrin-
 que connexis; pedes albidi.*

Acrocera fasciata, *Wied. Auss. Zweifl.* ii. 16, 2. *Erichs. Entomogr.*
 i. 166, 4.
 Georgia.

9. ACROCERA NIGRINA.

Nigra, nitida, tenuissime punctata; alæ fusco pallide tinctæ, venis piceis distinctis, alulis fusco marginatis; abdomen punctis duobus minutis ad segmenti penultiimi marginem posticum margineque tenui segmenti ultimi albidis; pedes obscure luteo-albidi, femoribus tibiisque in medio obscurioribus.

Acrocera nigrina, Westw.

Georgia.

10. ACROCERA BULLA.

Nigra; alæ hyalinæ, costa venisque fuscis; abdomen albidum basi (in medio dentata) fascia ad segmenti 2i basim, maculaque media ad 3i basim anoque nigris; pedes albidi, unguibus nigris.

Acrocera bulla, Westw.

New York.

11. ACROCERA SUBFASCIATA.

Nigra; thorax utrinque maculis duabus cuneiformibus fulvis; abdomen fuscum, segmento 1o ad apicem maculis duabus transversis fasciaque apicali utrinque abbreviata luteis, sequentibus luteo marginatis.

Acrocera subfasciata, Westw.

New York.

12. ACROCERA UNGUICULATA.

Nigra; alarum venæ fere obsoletæ; abdomen fulvum, basi maculisque nigris; pedes albi, unguibus nigris.

Acrocera unguiculata, Westw.

Georgia.

13. ACROCERA FUMIPENNIS.

Nigra, nitida; alæ hyalinæ, basim versus fusco infumatae, venis basim versus obscuris ad apices tamen fere oblitteratis, alulis fuscis; pedes albidi.

Acrocera fumipennis, Westw.

Georgia.

Country unknown.

14. ACROCERA BICOLOR.

Mas. *Nigra; abdomen testaceum, basi nigrum; pedes flavi; alæ hyalinæ.*

Acrocera bicolor, Macq. Dipt. Exot. Suppl. 1, 99, 1.

Genus 16. TERPHIS.

Oculi glabri, super et sub antennarum basi contigui. Ocelli duo. Proboscis brevis. Antennæ biarticulatae, fronte inferiore insertæ. Prothoracis lobi dorsales contigui.

Terphis, Erichs. Entomogr. i. 168.

Subcostal vein ending at much beyond half the length of the wing; mediastinal ending at a little before three-fourths of the length; radial ending at before five-sixths of the length: first branch of the cubital obsolete, second ending at behind the tip of the wing; two externo-medial veins and subanal vein complete; discal areolet elongated, subpentagonal.

1. TERPHIS NODOSA.

Fusca, nigro varia, albo maculata; abdominis dorsum biseriatim tuberculatum; pedes testacei, albo varii, basi nigri; alæ hyalinæ, venis halteribusque albidis.

Terphis nodosa, Erichs. Entomogr. i. 169, 1, pl. 1, f. 10.

Brazil.

Genus 17. HENOPS.

Corpus minoris magnitudinis, subglobosum, gibbum, breviter pubescens, nigricans. Oculi glabri, super antennarum basim contigui. Ocelli duo. Proboscis nulla. Antennæ biarticulatæ facie insertæ. Prothoracis lobi dorsales remoti.

Henops, Illig. Mag. (1798); Meig.; Fabr.; Fall.; Zett.

Musca, p., Linn.

Syrphus, p., Panz.

Ogcodes, p., Latr. Précis. 154.

Ogcodes, p., Macq.; Erichs.; Gimm.

Oncodes, Erichs.

Subcostal ending at much beyond half the length of the wing; medianial ending at a little beyond the subcostal; radial ending at about five-sixths of the length; cubital simple, ending at some distance behind the tip of the wing; one externo-medial extending to the border; subanal distinct.

Europe.

1. HENOPS GIBBOSUS.

Nigro-fuscus; antennæ nigrae; thoracis latera fulvo maculata et fasciata; abdomen fuscum, segmentorum marginibus posticis ventreque flavis; pedes fulvi, femoribus nonnunquam nigris; alæ limpidae.

Musca gibbosa, Linn.

Henops gibbosus, Fabr. Zett. Dipt. Scand. i. 231, 1.

Ogcodes gibbosus, Latr. Guér. Icon. Régñ. Anim. pl. 94, f. 10.

Macq. Hist. Nat. Dipt. i. 368, 1; Exped. Scient. Alg. Ins.

446, 89. Erichs. Entomogr. i. 170, 1. Gimm. Bull. Soc.

Imp. Nat. Mosc. xx. 3, 167, 1.

Europe. North Africa.

2. HENOPS ZONATUS.

Niger; abdomen album, segmentis basi nigris; pedes testacei, femoribus basi, tibiis medio tarsisque fuscis; alæ hyalinæ; halteres testacei, apice nigri.

Ogcodes gibbosus, Latr. Encycl. viii. 471, 1; Hist. Nat. Cr. et Ins. xiv. 315, 1, pl. 109, f. 10.

Ogcodes zonatus, *Erichs. Entomogr.* i. 170, 2.
Henops gibbosus, Var.?

Germany.

3. HENOPS CINGULATUS.

Niger; abdomen supra nigro-piceum segmentis singulis albo marginatis, subtus album; pedes testacei, femoribus nigris; alæ hyalinæ; halteres apice albi.

Ogcodes cingulatus, *Erichs. Entomogr.* i. 171, 3.

Henops gibbosus, Var.?

Germany.

4. HENOPS PALLIPES.

Niger; abdomen supra piceum, segmentis singulis albo marginatis, subtus album; pedes testacei; alæ hyalinæ; halteres apice picei.

Henops marginatus, *Zett. Dipt. Scand.* i. 231, 2.

Henops gibbosus, *Meig. Klass.* 151, 1. *Fall. Strat.* 3, 2.

Ogcodes pallipes, *Latr. Encycl.* viii. 471, 3. *Macq. Dipt. Nord. Asil.* 95, 3. *Erichs. Entomogr.* i. 172, 4. *Gimm. Bull. Soc. Imp. Nat. Mosc.* xx. 3, 167, 2.

Henops pallipes, *Meig. Zweifl.* vii. 102, 9.

Ogcodes marginatus, *Macq. Dipt. Nord. Asil.* 94, 2.

Henops gibbosus, Var.?

5. HENOPS FULIGINOSUS.

Niger; abdomen supra piceum, segmentis albido marginatis; pedes testacei, femoribus nigris; alæ fuliginosæ.

Ogcodes fuliginosus, *Erichs. Entomogr.* i. 172, 5.

Germany. Sicily.

6. HENOPS VARIUS.

Niger; abdomen testaceum, segmentis apice albo marginatis, basi nigro maculatis; pedes testacei, basi nigri; alæ basi fuliginosæ, apice hyalinæ.

Ogcodes varius, *Latr. Encycl. Méth.* viii. 471, 4. *Macq. Dipt. Nord. Asil.* 95, 4. *Erichs. Entomogr.* i. 173, 6.
Henops limbatus, Meig. Zweifl. iii. 100, 3.
Henops varius, Meig. Zweifl. vii. 101, 1.
 Germany.

7. HENOPS APICALIS.

Niger; abdominis incisurae flavæ; pedes testacei; alæ hyalinæ, margine antica apiceque fuscis.

Henops apicalis, Meig. Zweifl. iii. 101, 4.
 Germany.

8. HENOPS NIGRIPES.

Niger; thorax cinereo pubescens; abdomen incisuris albis; pedes nigri vel nigro-picei; alulae albae, nigro marginatae.

Henops nigripes, Zett. Ins. Lapp. 574, 1; *Dipt. Scand.* i. 232, 3.
Ogcodes nigripes, Erichs. Entomogr. i. 174, 4.
 Lap and.

Asia.

9. HENOPS COSTALIS.

Henops costalis, Diptera Saundersiana, Pt. 3, 203.
 East Indies.

Australia.

10. HENOPS BASALIS.

Henops basalis, Diptera Saundersiana, Pt. 3, 203.
 New South Wales.

Country unknown.

11. HENOPS FUMATUS.

Nigra; pectoris ventrisque latera alba; abdominis segmenta dorsalia albo marginata; pedes testacei, femoribus albidis; alæ fuliginosæ.

Oncodes fumatus, Erickson, Archiv. Naturg. 1846, xii. 288.

Genus 18. SPHÆROGASTER.

Corpus minutum, ovatum, crassum. Caput mediocriter magnum. Proboscis porrecta, longitudine capitis. Antennæ triarticulatae, frontis medio inserta, arista brevissima crassiscula. Alarum areola discalis venulas 4 subobsoletas emittens, in summum marginem interiorem descendentes. Alulæ minime.

Platygaster, Zett. *Ins. Lapp.* 574.

Sphærogaster, Zett. *Dipt. Scand.* i. 22, 232.

This genus may belong to another family.

1. SPHÆROGASTER ARCTICUS.

Ater, subnitidus, glaber; thorax lineis duabus humeralibus albis; pedes nigri, genubus tarsisque fuscis; alæ hyalinæ; halteres albi.

Platygaster arcticus, Zett. *Ins. Lapp.* 574, 1.

Sphærogaster arcticus, Zett. *Dipt. Scand.* i. 233, 1.

Lapland.

Fam. 5. ASILIDÆ.

Corpus magnum, aut mediocre, angustum, cylindricum, hirsutum. Frons et vertex impressa. Epistoma plerumque barbatum. Oculi remoti. Proboscis valida, brevis, cornea, acuta, porrecta aut obliqua. Antennæ porrectæ, basi approximatae. Abdomen segmentis 8. Pedes sæpiissime validi, spinosi. Alæ incumbentes.

Asilidæ, Leach; Sam. Comp.; Curt.; Westw.

Bombyliarii, p., Lam.

Empidia, p., Rafinesque.

Asilici, Latr.; Fall.; Meig.; Macq.; Zett.; Agassiz; Loew.

Sclerostoma, p., Duméril.

Tanystomata Asilida, Perty.

Asilica, Burn.

Asilites, Newm.

Asilinæ et Mydasinæ, Rondani.

Mydasii et Pomacerites, Macq.

Asilidii et Apomeridii, Bigot.

Tetrachætæ Tanystoma, p., Macq.

Antennæ 5- aut 4-articulatæ. Ocelli nulli. Sub-fam. 1. Mydasites.

Antennæ 3-articulatæ. Ocelli tres.

Alæ areola radiali aperta. - - - - 2. Dasypogonites.

Alæ areola radiali clausa.

Arista nulla. - - - - 3. Laphrites.

Arista elongata. - - - - 4. Asilites.

Sub-fam. 1. MYDASITES.

Caput vertice concava. Facies sepiissime mystacina. Ocelli nulli. Proboscis labiis apicalibus crassis. Palpi tenues, acuminati, nudi. Pedes setosi. Alæ areola submarginali clausa, areolis externo-medialibus tribus aut quatuor.

Mydasii, Macq.

Aplocera, Macq.

A. Antennæ 5-articulatæ.

A. Proboscis brevis.

a. Antennæ articulo 5o elongato.

a. Abdomen elongatum. - - - - 1. Mydas.

b. Abdomen longissimum. - - - - 2. Dolichogaster.

b. Antennæ articulo 5o rotundato. - - - - 3. Rhopalia.

B. Proboscis elongata, tenuis. - - - - 4. Cephalocera.

B. Antennæ 4-articulatæ. - - - - 5. Apiocera.

Genus 1. MYDAS.

Proboscis brevis. Antennæ 5-articulatæ, sat longæ, articuli 1us et 2us breves, 3us et 4us longi, angusti, 4us 3o brevior, 5us latior, fusiformis.

Mydas, Fabr. ; Meig. ; Macq.

Midas, Wied. ; Westw.

Mediastral vein joining the costal at rather beyond two-thirds of the length of the wing. Subcostal ending at a little in front of the tip. Radial and the two branches of the cubital joining the subcostal at equal distances from each other, the hind branch ending at very near the tip of the subcostal. Cubital ejecting the stump of a vein from its fork. Subapical or first externo-medial vein forming a curve nearly parallel to that of the hind branch of

the cubital, joining the costal very near the tip of the wing; the following externo-medial veins joining the first, curved and parallel to the border, and not connected with it except by a short fork from the hindmost. Subanæ and anal united near the border.

Europe.

1. MYDAS LUSITANICUS.

Nigro-cinereus, albido villosus; thorax albo quadriovittatus; abdominis incisuræ albidae, 2a fulvescens; alæ flavide venis rufis.

Midas lusitanicus, Wied.; Meig. Zweifl. ii. 130; vi. pl. 66, f. 1, 2. Wied. Mon. Mid. pl. 54, f. 181. Macq. Hist. Nat. Dipt. i. 274. Westw. Arc. i. 54, 33. L.-Duf. Ann. Soc. Ent. Fr. 2me Sér. viii. 143, 7, pl. 6, f. 7.

Spain. Portugal.

2. MYDAS FULVIVENTRIS.

Niger; thorax vitta laterali virgulaque humerali subcinereis; abdominalis segmenta 2um, 3um, 4um et 5um supra fulva, margine subcinerea; alæ venis subfumosis.

Midas fulviventris, L.-Duf. Ann. Soc. Ent. Fr. viii. 145, 8.

Tarragona, Spain.

3. MYDAS RUFIPES.

Fusco-niger; antennæ vix capite longiores; abdomen fulvum, segmento basali nigro, apice subfuscō; pedes fusco-rufi; alæ fuscæ.

Midas rufipes, Westw. Arc. i. 54, 35.

Sicily?

North America.

- A. Alæ sublimpidæ. - - - - - crassipes, Westw.
- B. Alæ flavide. - - - - - fulvifrons, Illig.
- C. Alæ fuscae.

- A.** Abdomen totum nigrum. - - - tibialis, Wied.
B. Abdomen nigrum, incisuris flavis. - incisus, Macq.
C. Abdomen nigrum, basi et apice fulvescens. pachygaster, Westw.
D. Abdomen testaceo-fuscum, nigro varium, fasciis pallidis. maculiventris, Westw.
E. Abdomen fulvum, flavo-nigroque varium. parvulus, Westw.
D. Alæ nigræ. - - - - clavatus, Drury.
E. Alæ chalybeæ. - - - iopterus, Wied.

4. MYDAS CRASSIPES.

Fœm. *Totus niger; antennæ breviores, thorax et abdomen nitida; pedes breves, femoribus posticis incrassatis dentatis; alæ subpellucidæ, vena radiali apiceque fuso tinctis.*

Midas crassipes, Westw. Arc. i. 51, 9, pl. 13, f. 3.

North America?

5. MYDAS FULVIFRONS.

Niger; epistoma fulvo hirtum; antennæ apice rufescentes; abdomen medio melleum; tibiae subrubido-fuscae; alæ flavidæ.

Midas fulvifrons, Illig. Mag. Insektenkunde. i. 206, 32. Wied. Nova Acta Acad. Nat. Cur. xv. 1; Mon. Mid. pl. 53, f. 13; Auss. Zweifl. ii. 629, 33. Westw. Arc. i. 52, 23.

Georgia.

6. MYDAS TIBIALIS.

Niger; tibiae tarsique lutea; alæ fuscescentes.

Midas tibialis, Wied. Nova Acta Acad. Nat. Cur. xv. 1, pl. 2, f. 6. Auss. Zweifl. ii. 627, 30. Westw. Arc. i. 51, 11.

Baltimore.

7. MYDAS INCISUS.

Niger; abdominis incisuræ flavæ, segmento basali omnino nigro; alæ fusceæ.

Mydas incisus, *Macq. Dipt. Exot. i. 2, 11, 1, pl. 1, f. 1. Westw. Arc. 1, 53.*

Carolina.

8. MYDAS PACHYGASTER.

Rubiginosus; oculi nigri, intus sericie albicante marginatae; antennæ articulo 3o fulvo, 4o nigricante; thoracis dorsum nigro vittatum; abdomen thorace latius, segmento 1o et ultimo fulvescentibus, 1o basi obscurō, intermediis nigris marginatæ tenui postico flavo; alæ fuscæcentes, ad costam melleo tinctæ venis obscurius marginatis.

Midas pachygaster, *Westw. Arc. i. 53, 24, pl. 13, f. 4.*

Georgia.

9. MYDAS MACULIVENTRIS.

Obscure niger; abdomen testaceo-fuscanum, segmentis supra apice pallidis et (nisi segmentis duobus basalibus) macula triangulare nigra in medio notatis, his maculis versus apicem abdominis magnitudine crescentibus, segmento anali fuso; pedes piceo-nigri; alæ flavido-fuscanæ, venis in parte postica obscurius marginatis.

Midas maculiventris, *Westw. Lond. and Edinb. Phil. Mag. 1835 Arc. 1, 53, pl. 13, f. 5.*

Georgia.

10. MYDAS PARVULUS.

Obscure fulvus; oculi nigri, intus sericie alba marginali; antennæ nigricantes, basi subluteæ; thorax vittis quatuor nigricantibus, duabus lateralibus antice, intermediis duabus postice, abbreviatis; abdomen flavo punctatum, segmentis 2o et sequentibus nigro fasciatæ, fasciis in segmentis posticis multo latioribus; pedes fulvi; alæ fuscæ, costa magis lutescente.

Midas parvulus, *Westw.*

Georgia.

11. MYDAS CLAVATUS.

Niger; abdominis segmentum 2um aurantiacum; alæ nigrae.

Musca clavata, Drury; Ill. i. pl. 44, f. 1; ii. Append.

Midas filatus, Wied. Mon. Mid. pl. 53, f. 8.

Bibio illucens, Fabr. Syst. Ent. 756, 1.

Midas clavatus, Westw. Arc. i. 51, 14.

North America.

12. MYDAS IOPTERUS.

Niger; antennæ breves; abdomen utrinque maculis duabus flavidis; alæ chalybeæ.

Midas iopterus, Wied.

North and South America.

Mexico.

A. Abdomen totum nigrum.

A. Antennæ nigrae. - - - - - senilis, Westw.

B. Antennæ apice rubidae. - - - - - rubidapex, Wied.

B. Abdomen fasciis tribus flavis. - - - - - interruptus, Wied.

C. Abdomen fasciis sex flavis. - - - - - basalis, Westw.

13. MYDAS SENILIS.

Totus niger cinereo setosus, barba cinerea; alæ fuscaneæ, costa magis fulvescente, venis posticis fusco marginatis, areola media versus marginem posticum venam brevem ad marginem currentem haud emittente.

Midas senilis, Westw. Arc. Ent. i. 52, 21.

Mexico.

14. MYDAS RUBIDAPEX.

Niger; antennæ apice rubidae; alæ rubido-flavae, extrema basi nigrae.

Midas rubidapex, Wied. Nova Acta Acad. Nat. Cur. xv. 1, pl. 1, f. 2.; Auss. Zweifl. ii. 626, 27. Westw. Arc. Ent. i. 51, 4.

Mexico.

15. MYDAS INTERRUPTUS.

Niger; abdomen fasciis tribus flavis, la utrinque interrupta; alæ fusco-flavae.

Midas interruptus, *Wied. Nova Acta Acad. Nat. Cur. xv. 1, pl. 2.*
Mon. Mid. pl. 53, f. 12; Auss. Zweifl. ii. 628, 31. Westw.
Arc. i. 52, 20.

Mexico.

16. MYDAS BASALIS.

Fœm. *Niger; facies fulva; antennæ basi fulvæ; thoracis dorsum obscure ferruginosum, vitta media nigra; abdomen crassum, segmentis 2—7 flavo marginatis; pedes fulvi, coxis femoribusque anterioribus basi nigris; alæ flavidō-fuscane, venis fulvis.*

Midas basalis, *Westw. Arc. 53, 25.*

Mexico.

West Indies.

17. MYDAS TRICOLOR.

Niger; epistoma auratum; thorax rubidus; abdomen chalybeum; femora postica rufa; alæ flavidæ.

Midas tricolor, *Wied. Nova Acta Acad. Nat. Cur. xv. 1, pl. 1, f. 5;*
Auss. Zweifl. ii. 627, 29. Westw. Arc. i. 51, 10.

Cuba.

South America.

A. Abdomen totum chalybeum, aut cupreum, aut nigrum.

A. Abdomen basi flavo pilosum.

 A. Abdomen atrum. - - - - - heros, *Perty.*

 B. Abdomen purpureo cœruleum. - - - - - dives, *Westw.*

B. Abdomen basi nigro pilosum.

 A. Abdomen chalybeum aut nigrum.

 a. Antennæ omnino nigræ.

 i. Abdomen chalybeum.

 * Epistoma nigro hirtum. - - - - - giganteus, *Thunb.*

- | | | | |
|--|---|---|-------------------------------------|
| ** <i>Epistoma albo hirtum.</i> | - | - | <i>leucops</i> , <i>Wied.</i> |
| ii. <i>Abdomen nigrum.</i> | | | |
| * <i>Thorax albido vittatus.</i> | - | - | <i>virgatus</i> , <i>Wied.</i> |
| ** <i>Thorax non vittatus.</i> | - | - | <i>atratus</i> , <i>Macq.</i> |
| b. <i>Antennæ rubidæ</i> , basi annuloque nigris. | | | |
| c. <i>Antennæ rubidæ</i> , basi nigræ. | | | <i>annulicornis</i> , <i>Westw.</i> |
| i. <i>Abdomen nigrum.</i> | - | - | <i>mystaceus</i> , <i>Wied.</i> |
| ii. <i>Abdomen chalybeum</i> , medio <i>nigrum</i> . | - | - | <i>apicalis</i> , <i>Wied.</i> |
| B. <i>Abdomen cupreum.</i> | - | - | <i>nitidulus</i> , <i>Oliv.</i> |
| B. <i>Abdomen fasciis pallidis.</i> | | | |
| A. <i>Pedes antici nigri.</i> | - | - | <i>gracilis</i> , <i>Macq.</i> |
| B. <i>Pedes antici flavi.</i> | - | - | <i>notospilus</i> , <i>Wied.</i> |

18. MYDAS HEROS.

Ater; antennæ ferrugineæ; abdominis segmentum Ium sulphureo hirtum; alæ antice testaceæ, costa et venis fusco-nigris.

Midas heros, *Perty*, *Delect. Anim. Artic. Bras.* pl. 36, f. 11; *Westw. Arc. Ent.* i. 50, 1.

Brazil

19. MYDAS DIVES.

Niger; antennæ fulvæ, basi nigrae; thorax vittis cinerascentibus; abdomen segmento 1o aureo piloso, 2o aureo sericante, reliquis late purpureo-cæruleis; pedes longi; alæ fulvæ basi obscuriore marginaque postico translucente.

Midas dives, *Westw.*

Brazil

20. *MYDAS GIGANTEUS*

Ater, thorax vittis dilutionibus; abdomen chalybeum; alæ marginé interno apiceque fuscana-flavidis. Mas.—Abdomen chalybaeum; alæ cothurnatæ vel fuscanae. Fæm.—Abdomen vix cærulescens; alæ nigrae.

Mydas giganteus, Thunb.

Var.? *Mydas cærulescens*, Oliv. Enc. Méth. viii. 81.

a, b, Rio Tapayos, Brazil. From Mr. Bates' collection.

21. MYDAS LEUCOPS.

*Niger; epistoma albo hirtum; thorax vittis tribus albo hirtis;
abdomen chalybeum; alae sinuato fuscana-flavæ, margine
interno flavido.*

*Midas leucops, Wied. Nova Acta Acad. Nat. Cur. xv. 1, pl. 2;
Mon. Mid. pl. 53, f. 10; Auss. Zweifl. ii. 628, 32. Westw.
Arc. i. 52, 17.*

Brazil.

22. MYDAS VIRGATUS.

Niger; thorax vittis albo micantibus; alæ infumatae.

*Midas virgatus, Wied. Nova Acta Acad. Nat. Cur. xv. 1; Mon.
Mid. pl. 54, f. 19; Auss. Zweifl. ii. 63, D, 35. Westw. Arc.
i. 53, 30.*

Brazil.

23. MYDAS ATRATUS.

*Mas et Fœm. Niger; abdominis segmentum ultimum supra
macula rufescens; alæ fuscae venis obscurens marginatis.
Fœm.—Abdomen depresso.*

*Mydas atratus, Macq. Dipt. Exot. i. 2, 11, 2. Westw. Arc. i.
51, 15.*

—?

*Var. ? Ater; caput antice albido pilosum; abdominis segmen-
tum ultimum fulvo marginatum; alæ purpureo-fusca, striata
apud areolas posticas pallidioribus, costa nigro-purpurea.*

Deep black. Head with whitish hairs in front. Eyes bordered beneath with white tomentum. Last abdominal segment with a dull tawny hind border. Wings purplish brown, blackish purple in front; areolets along the hind border, and two or three of those in the disk, with nearly limpid streaks. Length of the body 8 lines; of the wings 14 lines.

a. Rio Tapayos, Brazil. From Mr. Bates' collection.

24. MYDAS ANNULICORNIS.

tem. *Niger*; *barba nigra*; *antennæ fulvo-rubræ, basi nigrae, annulo nigro ad apicem articuli 3i*; *thorax vix cinereo vittatus*; *abdomen segmento 2o nigro viridescente, tribus ultimis nigro-cærulescentibus*; *ala fuscoc-nigricantes, basi venis obscurioribus, margine postico pallidius infumato*.

las annulicornis, Westw. Arc. i. 51, 6, pl. 13, f. 2.

zil.

25. MYDAS MYSTACEUS.

ter; *epistoma utrinque albo pilosum*; *antennæ rubidae, basi nigrae*; *ala nigrae, margine postico apiceque fuscescentes*.

las mystaceus, Wied. Nova Acta Acad. Nat. Cur. xv. pl. 1, f. 3; Auss. Zweifl. ii. 626, 26. Westw. Arc. i. 51, 6.

nam.

26. MYDAS APICALIS.

Niger; *antennæ apice rubide*; *abdomen chalybeum, medio nigrum*; *ala nigro-fuscæ, margine postico flavæ*.

las apicalis, Wied. Auss. Zweifl. ii. 629, 34; Mon. Mid. pl. 53, f. 14. Westw. Arc. i. 53, 29.

las mystaceus, Var.?

zil.

—?

? *Midas Bonariensis*, Serv.; Guér. Icon. Règne Anim. pl. 97. Westw. Arc. Ent. i. 51, 7.

Viger; *thorax et abdomen cyanea*; *ala margin'e postico apiceque fuscis*.

nos Ayres.

27. MYDAS NITIDULUS.

Niger; thorax albido vittatus; abdomen subcupreum, maculis utrinque viridi aureis; alæ subflavescentes, venis fuscis.

Mydas nitidulus, Oliv. Enc. Méth. viii. 83. Wied. Nova Acta Acad. Nat. Cur. xv. 1, pl. 1, f. 4; Auss. Zweifl. ii. 626, 28. Westw. Arc. i. 51, 8.

Surinam.

28. MYDAS GRACILIS.

Niger; barba et frontis latera albida aut flava; thorax lineis quatuor albis, intermediis duabus antice paulo dilatatis, vitta nigra dorsali velutina, duabus lateralibus levibus fuscis; metathorax maculis duabus albis; abdomen violaceo metallicum, segmento 1o nigro albo piloso, reliquis fulvo tenuiter marginatis; pedes nigri, femoribus tibiisque posticis obscure testaceis; alæ fuscescentes.

Mydas gracilis, Macq. Hist. Nat. Dipt. i. 274, pl. 7, f. 1. Westw. Arc. i. 62, 18.

South America.

29. MYDAS NOTOSPILOUS.

Niger; thorax albo sex maculatus; abdomen flavo fasciatum; pedes flavi; alæ flavescentes, venis fusco marginatis.

Midas notospilus, Wied.

Monte Video, Brazil.

Africa.

30. MYDAS CINCTUS.

Obscure niger; facies et frons albido pilosa; thorax vittis quatuor cinereo villosis, lateralibus subtus fulvis, parapteris fulvi, lateribus testaceis, sterno nigricante; scutellum minutum, testaceum; abdomen cylindricum, segmentis fulvo marginatum, lateribus fulvis, singuli disco fascia nigra angusta abbreviata; pedes fulvi, femoribus posticis subclavatis, apice fuscis, subtus serie duplii spinarum brevium armatis; tibias etiam breviter spinosis.

Mydas cinctus, *Macq. Hist. Nat. Dipt.* ii. 655, pl. 24, f. 19. *Westw.*
Arc. i. 54, 34.

Oran, Algeria.

31. MYDAS DISPAR.

Flavo-cinereus (*Mas.*), *aut flavus* (*Fœm.*) ; *thorax striis longitudinalibus e maculis tribus nigris compositis lineisque duabus intermediis signatus* ; *abdomen nigro annulatum, in fœmina, diaphanum* ; *pedes maris fuci, fœminæ flavi.*

Midas dispar, *Loew, Bericht Verhandl Kon. Preiss. Akad. Weisench. Berl.* 1852, 658, 4.

Mozambique.

Asia.

32. MYDAS RUFICORNIS.

Niger ; *antennæ ferrugineæ* ; *thorax antice melleo fuscanus* ; *alæ fuscæ.*

Midas ruficornis, *Wied. Analecta Entom.* 20, 4; *Mon. Mid.* pl. 53, f. 11.; *Auss. Zweifl.* i. 242, 6. *Westw. Arc. i. 52, 19.*

Tranquebar.

Australia.

33. MYDAS CLAVIGER.

Mydas claviger, *Cat. of Diptera, Pt. 1*, 229.

34. MYDAS INCIPIENS.

Mydas incipiens, *Cat. of Diptera, Pt. 1*, 229.

A. Abdomen fasciis rufis aut fulvis.

A. Alæ subhyalinæ.

A. Abdomen albo maculatum. - - - - *stenogaster*, *Westw.*

B. Abdomen immaculatum. - - - - *bicolor*, *Westw.*

B. Alæ auricolores. - - - - - *auripennis*, *Westw.*

- B. Abdomen piceum, fascia lata basali nigra. *limpidipennis*, *Westw.*
 c. Abdomen non fasciatum.
 A. Thoracis latera alba. - - - - - *viduatus*, *Westw.*
 B. Thorax maculis sex albis. - - - - - *concinus*, *Macq.*
 C. Thorax maculis fulvis.
 A. Alæ fulvæ. - - - - - *melleipennis*, *Westw.*
 B. Alæ limpidæ. - - - - - *bispinifer*, *Westw.*
 D. Thorax totus niger. - - - - - *sordidus*, *Westw.*

35. MYDAS STENOGASTER.

Niger, *albido setosus*; *facies barba densa albida insita*; *thorax maculis duabus parvis in margine antico albo squamosis*, *alterisque duabus versus basim alarum*; *abdomen valde elongatum*, *segmento antico albo piloso*, *2o nigro*, *3o obscure rufi*, *lateribus nigris albo maculatis*, *cæteris sanguineis*, *singulo ad basim utrinque macula parva alba*; *pedes piceo-sanguinei*; *alæ subhyalinæ*.

Midas stenogaster, *Westw.*

Swan River.

36. MYDAS BICOLOR.

Niger, *albo pilosus*; *facies barba densa albida*; *abdomen segmentis 5 posticis sanguineo-rufis*; *pedes sanguineo-rufi*, *tarsus paullo obscurioribus*; *alæ hyalinæ*, *venis flavido-fuscano marginatis*.

Midas bicolor, *Westw.*

37. MYDAS AURIPENNIS.

Niger, *caput, antennæ, prothorax, thoracis anguli antici, abdomen et pedes late fulva*; *mesosterni latera unispinosa*; *abdomen basi fasciisque duabus nigris*; *femora basi nigra*; *alæ auricolores*, *macula versus costæ apicem nigra*, *margine interno pellucido*.

Midas auripennis, *Westw. Lond. and Edinb. Phil. Mag. 1835; Arc. i. 51, 13, pl. 14, f. 1.*

Cubital vein divided, and forming a small closed oval areolet.
 New Holland.

38. MYDAS LIMPIDIPENNIS.

Niger; facies cinereo tomentosa; thorax opacus; abdomen dilatatum, subconvexum, segmento 10 cinereo parum hirto, 20 et 30 utrinque ad basim macula minima albido-lutea notatis, quatuor apicalibus piceis; pedes rufo-picei; alæ perlimpidae, venis pallidis.

Mydas limpidipennis, Westw. Trans. Ent. Soc. Lond. v. 90.

Western Australia.

39. MYDAS VIDUATUS.

Niger; facies, thoracis latera, maculaque triangularis ad basim segmentorum 3i et 4i abdominalium sericie argentea obsita; alæ pallidae, in medio fuscescentes, venis fusco marginatis.

Midas viduatus, Westw.

New Holland.

40. MYDAS CONCINNUS.

Mas. Ater, albo maculatus; pedes testacei, femoribus nigris; alæ subflavescentes.

Mydas concinnus, Macq. Dipt. Exot. Suppl. 1, 58, 2, pl. 6, f. 5.

New Holland.

a. Swan River. From Dr. Bacon's collection.

41. MYDAS MELLEIPENNIS.

Niger; antenna elongata, articulo 1o subrufa; thoracis margines et scutellum fulva; abdomen elongatum, gracile, nitidum, segmentis basalibus utrinque flavo maculatis; pedes fulvi, femoribus porticis clavatis; alæ fulva, venis rufo-fulvis.

Mydas melleipennis, Westw. Trans. Ent. Soc. Lond. v. 87, pl 13, f. 1.

Western Australia.

42. MYDAS BISPINIFER.

Niger ; thoracis latera et scutellum rufo-fulva ; pedes pallide flavi, femoribus posticis clavatis ; alæ costam versus fusco tinctæ, venis nigris. Mas.—Abdomen elongatum, angustum, clavatum, segmentis basalibus utrinque flavo maculatis.

Mydas bispinifer, Westw. *Trans. Ent. Soc. Lond.* v. 88, pl. 13, f. 2.

Western Australia.

43. MYDAS SORDIDUS.

Niger, opacus ; antennæ breviores, apice rufæ ; abdominis segmenta basalia utrinque macula parva trigona lutea ; pedes piceo-rufi, femoribus posticis obscuris ; alæ limpidae, venis nigris.

Mydas sordidus, Westw. *Trans. Ent. Soc. Lond.* v. 89, pl. 13, f. 3.
Adelaide, Australia.

Country unknown.

44. MYDAS POLITUS.

Niger ; thorax glaber ; abdomen cupreum ; pedes ferruginei ; alæ nigrae.

Mydas politus, Wied. *Auss. Zweifl.* i. 240, 2. Westw. *Arc.* i. 51, 12.

Genus 2. DOLICHOGASTER.

Facies vix prominens, breviter hirta, mystace nulla. Antennæ vix capitis longitudine ; articulus 1us brevis ; 2us brevissimus ; 3us conicus, lo duplo longior ; 4us et 5us precedentium longitudine, clavam formantes cordiformem tomentosam basi sat latam apice obtuse acuminatam, lateribus subcompressis. Abdomen longissimum. Alæ sat latæ, abdominis epicem non attingentes.

Dolichogaster, Macq. *Dipt. Exot. Suppl.* 2, 18.
Midas, p., Wied. ; Westw.

1. DOLICHOGASTER BREVICORNIS.

Niger, glaber; abdominis segmenta 3um et 4um flavido diaphana; alæ fuscæ notatae.

Midas brevicornis, Wied. Dipt. Exot. i. 117, 3; Auss. Zweifl. i. 242, 5.

Dolichogaster brevicornis, Macq. Dipt. Exot. Suppl. 2, 19, pl. 2, f. 2.

4. Parâ. From Mr. Bates' collection.

Genus 3. RHOPALIA.

Facies brevis, parum prominens. *Mystax brevis, non bene determinata. Proboscis brevis, sat crassa. Antennarum articulus 5us maximus, ovatus, apice brevissime stylatus. Femora et tibiae postica breviter setosa; tibiae posticæ calcaribus duobus minutis.*

Rhopalia, Macq. Dipt. Exot. i. 2, 12.

Midas, p., Wied.; Westw.

A. Thorax niger, vittis canis.

A. Abdomen nigrum. - - - - - lineata, Oliv.

B. Abdomen fuscum. - - - - - vittata, Wied.

B. Thorax niger, lateribus testaceis. - - - - - Olivieri, Macq.

C. Thorax rufus. - - - - - Spinolæ, Macq.

1. RHOPALIA LINEATA.

Nigra; thorax cinereo quadrilineatus; abdomen suturis albis; femora postica leviter spinosa vix incrassata; alæ pellucidæ, venis nigris obscurius nonnihil marginatis.

Mydas lineatus, Oliv. Encycl. Méth. viii. 33. Westw. Arc. i. 54, 38.

Egypt.

2. RHOPALIA VITTATA.

Cana; thorax vittis nigellis; abdomen fuscum albo fasciatum; pedes fusci, femoribus posticis haud spinosis; alæ limpidisimæ.

Midas vittatus, *Wied. Auss. Zweifl.* i. 559, 37; *Mon. Mid.* pl. 54, f. 23. *Westw. Arc.* i. 54, 37.

Rhopalia vittata, *Macq. Explor. Scient. de l'Alger.* iii. *Ins.* 431, pl. 1, f. 11.

Nubia, Algeria.

3. RHOPALIA OLIVIERI.

Nigra; caput antice et subtus albo pilosum; antennæ sericie subcinerea indutæ; thoracis latera testacea; pedes rufi; alæ sulfusæ.

Rhopalia Olivieri, *Macq. Dipt. Exot.* i. 2, 12, 1, pl. 1, f. 2.
Midas Olivieri, *Westw. Arc.* i. 54, 39.

Egypt.

4. RHOPALIA SPINOLÆ.

Fœm. *Rufa; abdominis segmentum 2um interrupte nigro fuscum; pedes fulvi; alæ subrufescentes, apice et postice hyalinae.*

Rhopalia Spinolæ, *Macq. Dipt. Exot.* i. 2, 192.

Egypt.

Genus 4. CEPHALOCERA.

Proboscis porrecta, elongata, tenuis.

Cephalocera, *Latr. Règn. Anim.* (1829); *Macq.*; *Westw.*
Midas, p., *Wied.*

Africa.

- A. Alæ fasciatæ aut vittatæ.
- A.* Alæ vittatæ. - - - - longirostris, *Latr.*
 - B.* Alæ fasciatæ. - - - - fascipennis, *Macq.*
- B. Alæ non fasciatæ nec vittatæ.
- A.* Antennæ apice ferrugineæ. - - - fasciata, *Wied.*
 - B.* Antennæ apice nigræ.
 - A.* Alæ fusce.
 - a.* Pedes fuscæ. - - - - nigra, *Macq.*
 - b.* Pedes fuscano-flavi. - - - - callosa, *Wied.* - B.* Alæ flavescentes.
 - a.* Thorax rufo hirtus. - - - rufithorax, *Wied.*
 - b.* Thorax flavidæ hirtus. - - - Westermanni, *Wied.*

1. CEPHALOCERA LONGIROSTRIS.

Nigra; antennarum clava medio rufo-flava; thorax flavidæ-vittatus; abdomen maris fasciis albis, form. flavis; pedes flavi, femoribus posticis apice obscuris; alæ costa vittaque sub-mediana nigris.

Midas longirostris, *Wied. Nova Acta Acad. Nat. Cur.* xv. 1; *Auss. Zweifl.* ii. 630, 36; *Mon. Mid.* pl. 54, f. 21.

Cephalocera longirostris, *Latr. Règn. Anim.* (1829). *Macq. Dipt. Exot.* i. 2, 13, 1. *Westw. Arc.* i. 55, 4.

a. Cape. From Mr. Saunders' collection.

2. CEPHALOCERA FASCIIPENNIS.

Mas. Nigra; abdomen albo maculatum; pedes rufi; alæ fascia fuscana.

Cephalocera fascipennis, *Macq. Dipt. Exot.* i. 2, 13, 2. *Westw. Arc.* i. 55, 5.

Cape.

3. CEPHALOCERA FASCIATA.

Nigra; antennæ apice ferrugineæ; thorax ferrugineo hirtus; pedes ferruginei; alæ flavidæ.

*Mydas fasciatus, Wied. Auss. Zweifl. i. 243, 9.
Cephalocera fasciata, Westw. Arc. i. 55, 3.*

Cape.

Var.? *Antennæ totæ, caput supra, thoracis latera et segmentorum abdominalium margines postici ferruginea.*

Black. Head above, antennæ, sides of the thorax, hind borders of the abdominal segments and legs ferruginous. Wings clouded with pale brown along the borders of the veins.

a. Port Natal. From Mr. R. W. Plant's collection.

4. CEPHALOCERA NIGRA.

Fœm. *Nigra; barba alba; antennarum articulus 3us medio ferrugineus; pedes et alæ fusca; venæ cubitalis ramus 2us vena radiali conjunctus.*

*Cephalocera nigra, Macq. Dipt. Exot. i. 2, 14, 3, pl. 1, f. 3. Westw.
Arc. i. 55, 6.*

Cape.

Var.? *Antennæ omnino nigræ; segmentorum abdominalium margines postici ferruginei; pedes ferruginei, tibiis posticis femoribusque nigris; alæ nigro-fuscæ, areolarum posticarum discis pallidioribus.*

Antennæ wholly black. Hind borders of the abdominal segments ferruginous. Legs ferruginous; femora and hind tibiae black. Wings blackish brown; disks of the posterior areolets much paler.

a. Port Natal. From Mr. R. W. Plant's collection.

b. ——?

5. CEPHALOCERA CALLOSA.

Nigra; pedes fuscano-flavi; alæ fuscae. Mas.—Abdomen fuscano-flavum. Fœm.—Abdomen nigrum.

*Midas callosa, Wied. Mon. Mid. pl. 54, f. 22.
Cephalocera callosa, Westw. Arc. i. 55, 7.*

Cape.

6. CEPHALOCERA RUFITHORAX.

Nigra; thorax rufi hirtus; abdominis incisuræ flavidæ; pedes rufescentes, femoribus posticis intus apices versus nigris; alæ flavescentes.

*Midas rufithorax, Wied. Dipt. Exot. i. 117, 4; Auss. Zweifl. i. 242, 7; Mon. Mid. pl. 54, f. 15.
Cephalocera rufithorax, Westw. Arc. i. 55, 1.*

Cape.

7. CEPHALOCERA WESTERMANNI.

Niger; thorax flavidò villosus; abdomen nigro hirtum, basi flavidò hirtum; pedes castaneo-fusci; alæ apud discos flavescentes.

*Midas Westermanni, Wied. Zool. Mag. iii. 19, 27; Dipt. Exot. i. 118, 5; Auss. Zweifl. i. 243, 8; Mon. Mid. pl. 54, f. 16.
Cephalocera Westermanni, Westw. Arc. i. 55, 2.*

Cape.

Australia.

8. CEPHALOCERA MACULIPENNIS.

Ferruginea; caput nigrum; antennæ fulvæ, articulo 4o valde clavato, apice in tuberculo contracto; thorax vitta lata nigra; abdomen nigrum, segmentis 2o, 3o 4oque rufi, singulo macula dorsali nigra; pedes testaceo-rufi; alæ hyaline, costu fulva, macula magna media, vitta ad basim ducta, apiceque marginis antici nigris.

*Cephalocera maculipennis, Westw. Arc. i. 55, 8, pl. 14, f. 5.
Western Australia.*

9. CEPHALOCERA GRACILIS.

Fœm. *Gracilis, nigra, nitida; thoracis latera testacea; abdomen fasciis fulvis; femora, tibiæ tarsique basi flava; alæ fuscane.*

Cephalocera gracilis, Macq. Dipt. Exot. Suppl. 2, 32, pl. 1, f. 5.

New Holland.

Genus 5. APIOCERA.

Caput transversum. Proboscis exserta, labiis duobus magnis terminata. Palpi lati, spatulati. Antennæ 4-articulatæ, capite breviores; articuli 1us et 2us setosi; 1us crassus; 2us minutus; 3us pyriformis, parvus; 4us stylatus, minutus. Thorax oblongus setosus. Scutellum productum. Abdomen longi-obconicum. Pedes longiusculi, sat graciles, setosi; tibiæ posticæ bicalcaratæ. Alæ breviusculæ.

*Apiocera, Westw. Lond. and Edinb. Phil. Mag. 1835; Arc. i. 56.
Pomacera, Macq. Dipt. Exot. Suppl. 2.*

Wings short, rather narrow: costal vein ending at near the tip of the wing; mediastinal ending at about two-thirds of the length; subcostal ending near the tip of the costal; radial and cubital springing from a short common petiole, the former joining the subcostal near its tip; cubital forked before two-thirds of its length; its forks slightly curved, the fore fork joining the subcostal, the hind fork united to the costal; first externo-medial curved parallel to the cubital, joining the tip of the costal; second externo-medial complete; third and fourth externo-medial united at some distance from the border, which they join by means of a common petiole; subanal and anal united near the border.

1. APIOCERA ASILICA.

Obscure nigra, facie corporeque subtus pilis cinereo-albis vallis obsitis; thorax vitta angusta media aliisque tribus utrinque in medio disci abbreviatâs cinereo-albis; abdominis segmenta 2um, 3um et 4um lateribus et maculis duabus triangularibus ad marginem posticum magnitudine decrescentibus, 5umque maculis duabus basalibus cinereo-albis; alæ hyalinae, nigris.

Apiocera asilica, Westw.

*Pomacera Bigotii, Macq. Dipt. Exot. Suppl. 2, 19, 1, pl. 2, f. 1.
a. Adelaide. From Mr. Stevens' collection.*

Sub-fam. 2. DASYPOGONITES.

Ocelli tres. Antennæ sèpissime 3-articulatæ. Alarum vena radialis costali ad apicem connexa.

Dasyponitæ, Macq.

A. Antennæ 5-articulatæ.

- | | | |
|--|---|----------------|
| A. Antennarum articulus 5us 4o longior. | - | 1. Ceraturgus. |
| B. Antennarum articuli 4us et 5us æquales. | - | 2. Diocetria. |

B. Antennæ 3-articulatæ.

A. Abdomen non petiolatum.

A. Caput non depresso.

i. Abdomen mediocriter longum.

* Femora postica vix clavata.

† Thorax non gibbosus.

‡ Antennarum articulus 3us linearis. 3. Dasypogon.

‡ Antennarum articulus 3us clavatus.

4. Brachyrhopala.

†† Thorax gibbus, antice productus. - 5. Pseudorus.

** Femora postica clavata, valde hirsuta. 6. Euscelidia.

ii. Abdomen longissimum. - - - - 7. Dolichodes.

B. Caput valde depresso.

8. Discocephala.

B. Abdomen petiolatum. - - - -

9. Cabasa.

A. Oculi remoti.

10. Senobasis.

B. Oculi fere contigui. - - - -

11. Plesiomma.

Genus 1. CERATURGUS.

Antennæ capite longiore, articulis duobus obtusis brevibus terminatæ; articulus apicalis præcedente longior.

Ceraturgus, Wied. Auss. Zweifl. i. 414; Macq.

Dasypogon, p., Fabr.; Wied. Dipt. Exot.

Mediastinal vein ending beyond half the length of the wing. Subcostal ending beyond five-sixths of the length. Radial and Cubital springing from a common petiole which proceeds from the subcostal at two-fifths of the length of the wing, and is less than one-eighth of their length. Cubital forked before two-thirds of its length, joined by a veinlet with the externo-medial before one-fourth of its length. First and third externo-medial springing from a common petiole at rather before half the length of the wing,

united again by a veinlet whose angle unites the second externo-medial. Fourth externo-medial and subanal springing from a common petiole at rather before half the length of the wing. Fourth externo-medial forming near its base an angle, where it is united by a veinlet with the third externo-medial. Subanal joining the anal at its tip. Discal areolet long, narrow, nearly pentagonal, very slightly widening outward.

North America.

1. CERATURGUS FASCIATUS.

Ceraturgus fasciatus, *Cat. of Diptera*, Pt 2, 367.

2. CERATURGUS AURULENTUS.

Auratus; *thorax vittis tribus nigris*; *abdominis segmenta basi nigra*; *pedes flavi*; *ale limpidae*.

Dasyponer aurulentus, *Fabr. Syst. Antl.* 166, 11. *Wied. Anal. Entom.* 12; *Dipt. Exot.* i. 228, 26.

Ceraturgus aurulentus, *Wied. Auss. Zweifl.* i. 414, 1, pl. 5, f. 5.

New York.

Mexico.

3. CERATURGUS NIGER.

Niger; *abdominis segmenta albo maculata*; *pedes fulvi*, *tarsorum articulis apice, tibiisque nigris*; *ale flavescentes*.

Ceraturgus niger, *Macq. Dipt. Exot.* i. 2, 25, pl. 2, f. 1.

4. CERATURGUS RUFIPENNIS.

Fœm. Aureo-tomentosa; *abdomen nigrum, fasciis aureis interrumpitis, apice testaceum*; *pedes testacei*; *ale fulvae, apice subfuscæ*.

Ceraturgus rufipennis, *Macq. Dipt. Exot. Suppl.* 2, 32, 2.

Country unknown.

5. CERATURGUS? ANDOCIDES.

Ceraturgus? Andocides, *Cat. of Diptera*, Pt. 2, 367.

6. CERATURGUS? CORNUTUS.

Fœm. *Badio-fuscus; antennarum articulus 3us longissimus, apice biarticulatus; thorax fulvus, vittis fuscis; abdomen flavido fasciatum; pedes anteriores rufescentes; alæ fuscescentes, areolarum discis sublimpidis.*

Dasyptogon cornutus, Wied. *Auss. Zweifl.* i. 382, 25.

Genus 2. DIOCTRIA.

Corpus elongatum, cylindricum. Antennæ 5-articulatæ, capite multo longiores; articuli 4us et 5us æquales.

Dioctria, Fabr. *Syst. Anil.* 149; Latr.; Fall.; Meig.; Wied.; Macq.; Curt.; Zell.; Zett.; Loew.
Asilus, p., Linn.; Fabr. *Ent. Syst.*; Schr.; Gmel.

Mediastinal vein ending at much beyond half the length of the wing. Subcostal ending at about three-fourths of the length. Radial and cubital springing from a common petiole, which proceeds from the subcostal at about one-third of the length of the wing, and is less than one-fourth of their length. Cubital forked before two-thirds of its length, joined by a veinlet with the first externo-medial before one-third of its length. First and third externo-medial springing from a common petiole at much before half the length of the wing, united again by a veinlet, which near its fore end emits the second externo-medial. Fourth externo-medial and subanal springing from a common petiole at much before half the length of the wing; fourth externo-medial forming near its base an angle, where it is united by a veinlet with the third externo-medial; subanal ending near the tip of the anal. Discal areolet long, narrow, widening from the base to the tip.

Europe.

- A. Abdomen cupreо-aureum. - - - chalcogastra, Duf.
- B. Corpus subcærulescens. - - - Harcyniæ, Loew.
- C. Corpus atrum.

A. Pedes toti nigri. (D. atricapilla, fœm., Var. Pedes ex parte rufescentes).

PART II.

- A. Thorax levius.
 d. Alæ maris dimidiatim nigricantes, fæminæ fuscescentes.
 Gagates, *Meig.*
 dd. Alæ atræ. - - - - - melas, *Duf.*
- B. Thorax obscurus.
 a. Alæ maris atratae, fæm. fuscescentes. atricapilla, *Meig.*
 b. Alæ hyalinæ. speculifrons, *Meig.*
- B. Pedes nigri femoribus tibiisque basi stramineis. Reinhardi, *Meig.*
- C. Pedes plus minusve rufi.
 a. Alæ in utroque sexu æqualiter nigræ. celandica, *Linn.*
 aa. Alæ subfuscantes aut hyalinæ.
 a. Antennarum articulus 3us præcedentibus conjunctis
 æqualis.
 i. Abdomen totum atrum.
 * Metatarsus posticus vix incrassatus.
 † Femora non nigro liturata.
 ‡ Pedes rufi, nigro varii.
 § Pectoris latera maculis micantibus nullis.
 cothurnata, *Meig.*
 §§ Pectoris latera maculis micantibus.
 rufipes, *Deg.*
 †† Pedes testacei. - - - Wiedemann, *Meig.*
 †† Femora postica nigro liturata. flavipes, *Meig.*
 ††† Femora omnia nigro liturata. Baumhaueri, *Meig.*
 ** Metatarsus posticus crassissimus. - gracilis, *Meig.*
- ii. Abdomen cingulis pallidis.
 * Scutellum plus minusve rufescens. aurifrons, *Meig.*
 ** Scutellum totum nigrum.
 † Tarsi omnes subtus obscure punctati.
 linearis, *Fabr.*
 †† Tarsi subtus non punctati.
 h. Pectoris latera fasciis pallidis micantibus.
 lateralis, *Meig.*
 hh. Pectoris latera fasciis pallidis micantibus
 nullis. - - - calceata, *Meig.*
- aa. Antennarum articulus 3us præcedentibus conjunctis
 multo longior. - - - - - longicornis, *Meig.*

1. DIOCOTRIA CELANDICA.

Nigra ; thorax albido quadriguttatus ; pedes rufi ; tibiis apice tarsiisque nigris ; alæ in utroque sexu æqualiter nigricantes.

Asilus celandicus, Linn.

a—f. England. From Mr. Stephens' collection.

2. DIOCOTRIA REINHARDI.

Nigra, nitida ; thoracis dorsum lineis duabus angustis cinerascentibus postice abbreviatis ; femora tibiæque basi straminea.

Dioctria Reinhardi, Wied. *Meig. Zweifl.* ii. 247, 13, pl. 19, f. 19, 24. *Macq. Dipt. Nord. Asil.* 17, 8; *Hist. Nat. Dipt.* i. 291, 9. Zeller, *Isis*, 1840, 40, 5. Loew, Linn. *Ent.* ii. 412, 2. Zett. *Dipt. Scand.* viii. 2972.

a, b. England. From Mr. Stephens' collection.

c. Interlacken, Switzerland. Presented by F. Walker, Esq.

3. DIOCOTRIA ATRICAPILLA.

Nigra, parum nitens ; pedes sappissime concolores ; alæ dimidiatim sed indeterminate in mæ atrata, in foemina fuscescentes.

Dioctria atricapilla, Meig.

a—f. England. From Mr. Stephens' collection.

Var. *Nigra ; facies orichalcea ; thorax cinereus, nigro lineatus ; abdomen incisuris albidis ; pedes fulvi, postici nigri genubus fulvis ; alæ hyalinæ ; halteres flavi.*

Dioctria geniculata, Meig.

4. DIOCOTRIA HARCYNIÆ.

Nigra, alis mystaceaque in utroque sexu concoloribus ; thorax et abdomen subcærulescentia nitida.

Dioctria Harcyniæ, Loew, *Ent. Zeit. Stett.* 1844, 381. Linn. *Ent.* ii. 416, 4.

Germany.

5. DIOCETRIA GAGATES.

Nigra, nitida; pedes concolores; facies albido micans; thorax lærvis; genua fulva; alæ in mare dimidiatim nigricantes, in fœmina pallide fuscescentes.

Dioctria Gagates, Hoffm.; Meig.

Portugal.

6. DIOCETRIA SPECULIFRONS.

Nigra; nitida, facies submetallica, thoracis dorsum fusco tomentosum; vittis duabus flavescensibus; alæ limpidae; halteres flavi.

Dioctria speculifrons, Hoffm.; Meig. Zweifl. ii. 255, 28. Loew, Linn. Ent. ii. 419, 6.

Portugal.

7. DIOCETRIA COTHURNATA.

Nigra; facies orichalcea; thorax cinereus, nigro vittatus; pectoris latera maculis micantibus nullis; abdomen incisurus saepe albidis; pedes fulvi, tibiis posticis tarsisque fuscis; ale dilute fuscescentes.

Dioctria cothurnata, Meig. Zett. Dipt. Scand. viii. 2973.

Var.? *Nigra; facies orichalcea; pedes fulvi, tibiis posticis tarsisque fuscis; alæ fuliginosæ.*

Dioctria infuscata, Meig. Zweifl. ii 252, 21.

France?

8. DIOCETRIA AURIFRONS.

Mas et fœm. *Nigra, nitida; facies et pectoris latera orichalcea; thoracis dorsum luridum, opacum, nigro vittatum; callus humeralis rufescens; abdomen cingulis flavo-testaceis; pedes flavo-testacei, tarsis subtus non punctatis.*

Dioctria humeralis, Zeller, Isis, 1840, 36, 3. Loew, Linn. Ent. ii. 422, 8.

Mas. *Alæ nigro-fusca, apice hyalinae.*

Dioctria aurifrons, *Gürtl.*; *Meig. Zweifl.* ii. 252, 23.

Fœm. *Alæ fere limpidae, margine antico flavicantes.*

Dioctria flavipennis, *Meig. Zweifl.* ii. 252, 22.

Austria.

9. DIOCTRIA BUVIPES.

Nigra; tuberculus frontalis permagnus; thorax cano bivittatus, lateribus flavo-albo notatis; antennarum articulus Ius 2o duplo longior; pedes rufi, tarsorum articulis apice pedibusque posticis nigris; alæ subhyalinae.

Asilus rufipes, *Deg.*

a—f. England. From Mr. Stephens' collection.

g, h. Interlacken, Switzerland. Presented by F. Walker, Esq.

10. DIOCTRIA WIEDEMANNI.

Nigra; facies fulva; thoracis discus cinereus, nigro lineatus; alæ fuscanæ; pedes testacei.

Dioctria Wiedemanni, *Meig. Zweifl.* ii. 241, 2.

South France.

11. DIOCTRIA FLAVIPES.

Nigra; facies nivea; thorax cinereo trivittatus; abdomen segmentis apice fulvis, maris 3o et 4o basi fulvis; pedes flavi, femoribus posticis sèpissime litura sublineari nigra superiorius signatis, tibiis posticis nonnunquam nigris, tarsis fulvis aut nigris; alæ limpidae.

Dioctria flavipes, *Meig. Zett. Dipt. Scand.* viii. 2974.

Var. *Abdomen fasciis duabus ferrugineis.*

Dioctria cingulata, *Zett. Dipt. Scand.* viii. 2975.

a—d. England. From Mr. Stephens' collection.

e. Interlacken, Switzerland. Presented by F. Walker, Esq.

12. DIOCTRIA BAUMHAUERI.

Nigra ; facies nivea ; thorax cinereus, nigro vittatus ; pedes anteriores fulvo nigroque varii, postici fulvi ; alæ hyalinæ ; halteres fulvi.

Dioctria Baumbaueri, Meig.

a—f. England. From Mr. Stephens' collection.

13. DIOCTRIA LINEARIS.

Mas et fœm. Nigra, gracilis ; abdomen cingulis pallide testaceis ; pedes pallide testacei, postici fusco variegati ; tarsi omnes subtus obscure punctati.

Dasypogon linearis, Fabr. Syst. Antl. 389, 60. Meig. Zweifl. vi. 330. Loew, Linn. Ent. ii. 432, 12.

Germany.

14. DIOCTRIA BICINCTA.

Nigra ; facies orichalcea ; abdomen annulis duobus flavis ; pedes fulvi, tibiis posticis tarsisque fuscis ; alæ fuliginosæ.

Dioctria bicincta, Meig. Zweifl. ii. 251, 20, pl. 19, f. 20.

France ?

15. DIOCTRIA ANNULATA.

Nigra ; facies orichalcea ; abdomen fasciis duabus flavis ; pedes fulvi, femoribus posticis nigro lineatis, tibiis posticis tarsisque fuscis ; alæ hyalinæ.

Dioctria annulata, Meig. Zweifl. ii. 251, 19, pl. 19, f. 19.

16. DIOCETRIA GRACILIS.

Nigra, nitens; facies orichalcea; thoracis dorsum nitidum; pectoris latera fascia anteriore integra; pedes fulvi, tibiis posticis tarsisque nigro-fuscis, metatarso postico crassissimo; alæ hyalinæ, vix subfuscantes; halteres flavi.

Dioctria gracilis, Meig. Zweifl. ii. 248, 15. Macq. Dipt. Nord. Asil. 18, 9; Hist. Nat. Dipt. i. 291, 10. Loew, Linn. Ent. ii. 333, 13.

South France. North Africa.

17. DIOCETRIA LATERALIS.

Nigra; facies orichalcea; antennarum articulus 3us præcedentibus conjunctis æqualis; thoracis dorrum nitidum; pectoris latera fascia micante anteriore superius late interrupta; abdomen basi vix coarctatum, plerumque luteo cingulatum, interdum unicolor; pedes fulvi, femoribus posticis nigro cinctis, tibiis tarsisque posticis fuscis; alæ hyalinæ; halteres flavi.

Dioctria lateralis, Meig. Klass. Zweifl. i. 258, 8 (ex parte); Zweifl. ii. 11, 249, 16. Macq. Dipt. Nord. Asil. 18, 10; Hist. Nat. Dipt. i. 291, 11. Loew, Progr. 1840, 14, 7; Isis, 1840, 536, 7; Linn. Ent. ii. 435, 14.

Asilus haemorrhoidalis, Meig. Klass. Zweifl. i. 270.

Dioctria haemorrhoidalis, Meig. Zweifl. ii. 250, 18. Macq. Dipt. Nord. Asil. 19, 13; Hist. Nat. Dipt. i. 292, 13. Zeller, Isis, 1840, 41, 6.

a, b. England. From Mr. Stephens' collection.

18. DIOCETRIA LONGICORNIS.

Nigra; facies aurea; antennæ capite duplo longiores; articulus 3us præcedentibus conjunctis multo longior; pedes fulvi, postici nigri; alæ hyalinæ; halteres flavi.

Dioctria lateralis, Meig. Klass. Zweifl. i. 258, 8 (ex parte). Macq. Dipt. Nord. Asil. 19, 11; Hist. Nat. Dipt. i. 291, 12. Loew, Linn. Ent. ii. 437, 16.

Dioctria lateralis (frontalis in tab.), *Panz. Faun. Ins. Germ.* xcviij.
21.

Dioctria longicornis, *Meig. Zweifl.* ii. 249, 17, pl. 19, f. 18.
a. Aix-la-Chapelle. Presented by F. Walker, Esq.

19. DIOCTRIA CALCEATA.

Nigra; *facies nivea*; *thorax cinereus vittis nigris*; *abdominis segmenta 2um, 3um et 4um fulva*; *pedes fulvi*; *tarsis fuscis*; *alæ fuscescentes*.

Dioctria calceata, *Megerle*; *Meig. Zweifl.* ii. 253, 24. *Loew, Linn. Ent.* ii. 438, 16.

Austria. Italy.

20. DIOCTRIA MELAS.

Atra; *abdomen depresso, concolor*; *arista subulata*; *pedes anteriores cinereo hirsuti*; *tibiae posticæ clavatæ*; *tarsorum posteriorum articulus lus incrassatus, oblongus*; *reliquis suburceolati*; *alæ atrae*; *halteres flavi*.

Dioctria melas, *Duf. Ann. Soc. Ent. Fr. 2me Sér. viii.* 148, 11, pl. 6, f. 10.

Madrid.

21. DIOCTRIA CHALCOGASTRA.

Atra; *abdomen depresso, cupreo-aureum, nitidum, subtus aureo villosum*; *tibiae posticæ incrassato clavatæ*; *tarsorum posteriorum articulus lus incrassatus ovatus, reliqui globosi*; *alæ atrae*; *halteres flavi*.

Dioctria chalcogaster, *Duf. Ann. Soc. Ent. Fr. 2me Sér. viii.* 146, 10, pl. 6, f. 9.

Valentia; Madrid.

South Russia.

22. DIOCOTRIA PICTA.

Mas. *Nigra*; *facies nivea*; *abdomen incisuris citrinis maculisque in singulo segmento binis transversis albis.*

Dioctria picta, *Wied. Dipt. Exot.* i. 180, 1; *Auss. Zweifl.* i. 364, 1.

North America.

23. DIOCOTRIA ALBIUS.

Dioctria Albius, *Cat. of Diptera*, Pt. 2, 301.

New York.

24. DIOCOTRIA OCTOPUNCTATA.

Nigra; *thorax flavido vittatus*; *abdomen utrinque maculis quatuor albis*; *pedes mellei*.

Dioctria octopunctata, *Say, Journ. Acad. Philad.* iii. 49, 1. *Wied. Auss. Zweifl.* i. 365, 3.

North America.

South America.

25. DIOCOTRIA TENUIS.

Dioctria tenuis, *Diptera Saundersiana*, Pt. 2, 86.

a, b. South America. From Mr. Saunders' collection.

26. DIOCOTRIA VICINA.

Nigra, nitida; *facies albida*; *pedes rufi, femoribus anticis fascia nigricante*; *alæ nigre.*

Dioctria vicina, *Macg. Dipt. Exot.* i. 2, 26, 2.

Dioctria celandica, Var.?

Brazil.

Africa.

- | | | |
|--------------------------|-----------|---------------------------|
| A. Corpus cyaneum. | - - - - - | cyanea, <i>Fabr.</i> |
| B. Corpus nigrum. | - - - - - | |
| A. Corpus maculatum. | - - - - - | costalis, <i>Wied.</i> |
| B. Corpus non maculatum. | - - - - - | flavipennis, <i>Macq.</i> |

27. DIOCETRIA CYANEA.

Fusca; abdomen et alæ cyanea.

Dioctria cyanea, *Fabr.*

South Africa.

28. DIOCETRIA COSTALIS.

Mas. *Nigra; thorax rufo maculatus; abdomen flavo maculatum;*
alæ ad costam dimidiato fusce.

Dioctria costalis, *Wied. Zool. Mag.* iii. 6, 8; *Dipt. Exot.* i. 180, 3;
Auss. Zweifl. i. 365, 2.

Cape.

29. DIOCETRIA FLAVIPENNIS.

Mas. *Atra; facies, thoracis linea tres, pedesque fulva; alæ pallide*
fulva.

Dioctria flavipennis, *Macq. Dipt. Exot.* i. 2, 25, 1, pl. 2, f. 2.

Cape.

Australia.

30. DIOCETRIA TASMANICA.

Dioctria Tasmanica, *Saunders, Diptera Saundersiana*, Pt. 2, 85.

a. Van Dieman's Land. From Mr. Saunders' collection.

31. DIOCRIA ? CONOPSOIDES.

; caput flavum; thorax flavo maculatus; abdomen fasciis; pedes rufi.

conopsoides, *Fabr. Mant. Ins.* ii. 361, 37; *Ent. Syst.* iv. 59.

conopsoides, *Fabr. Syst. Antl.* 151, 9.

Land.

Country unknown.

32. DIOCRIA HORSLEYI.

Horsleyi, *Saunders, Diptera Saundersiana*, Pt. 2, 86.

Genus 3. DASYPOGON.

it non depresso. Antennæ triarticulatæ. Thorax non Abdomen mediocriter longum, non petiolatum. Femora ex clavata.

in, p., Fabr. Syst. Antl.; Latr.; Panz.; Fall.; Meig.; Zell.; Zett.; Loew.

Linn.; Fabr. Ent. Syst.; Schr.; Gmel.; Panz.

p., Fabr.

in et Microstylum, Xiphocera et Acnephala, Macq.

in, Megapollyon, Prolepsis, Euarmostus et Morimna, t.

lastinal vein ending at a little before two-thirds of the length g. Subcostal ending at beyond seven-eighths of the length. id cubital springing from a common petiole, which pro-n the subcostal at about one-fourth of the length of the l is less than one-sixth of their length. Cubital forked a re two-thirds of its length, joined by a veinlet with the no-medial a little before one-third of its length. First extero-medial springing from a common petiole at much f the length of the wing, united again by a veinlet whose ts the second extero-medial. Third extero-medial ex-o the hind border in some species; in others inclined

hindward, and joining the fourth externo-medial near the tip of the latter. Fourth externo-medial and subanal springing from a common petiole at about half the length of the wing; fourth externo-medial forming near its base an angle, where it is united by a veinlet with the third externo-medial; subanal ending close to the tip of the anal. Discal areolet narrow, very long, nearly triangular, widening from the base to the tip. The wing-veins of the species of this genus are subject to great variation. The forks of the cubital vein diverge more or less from each other, and the fore branch is more or less straight or curved or angular, and in some cases emits the stump of a vein from its angle. The first externo-medial is generally parallel to the hind branch of the cubital, but in some species is united with it. The second externo-medial very generally springs from a veinlet between the first and the third externo-medial, but in one species appears as the fork of the first externo-medial. The third externo-medial generally proceeds straight to the border, but is often inclined to the fourth, and in some species joins the latter on the border, or at some distance from it. The subanal usually joins the anal on the border; in a few species it is separate from it, or is united to it at a distance from the border. In one species there is a veinlet between the first and second externo-medial veins, and thereby an additional areolet is formed in front of the discal areolet.

Europe and Asia Minor.

Div. I. Tibiæ anticae apice calcaratæ.

Group 1. SAROPOGON.

Species præ cæteris nudæ. Facies æqualiter lata. Myxæ flabelli formis, faciem non transiens. Antennæ approximate; arista semper brevissima, structuræ variæ. Thorax non valde elevatus, setis dorsalibus abbreviatis. Abdomen longum, maris magis cylindricum, fæminæ magis planum. Pedes sat graciles; tibiæ posticæ non incrassatæ.

Saropogon, Loew, *Linn. Ent.* ii. 439.

A. *Mystax niger.*

- A. Antennarum articulus 3us præcedentibus conjunctim duplo longior. - - - - - eucerus, Loew.*
B. Antennarum articulus 3us præcedentibus conjunctim non duplo longior. - - - - - jugulum, Loew.
- B. *Mystax flavescens.***
- A. Femora nigra. - - - - - platynotus, Loew.*
B. Femora rufa. - - - - - luctuosus, Hoffm.

1. DASYPOGON EUKERUS.

Mas. *Mystax niger*; *antennarum articulus 3us præcedentibus conjunctim duplo longior.*

Dasyppogon eucerus, Loew, Linn. Ent. ii. 440, 1.
 Mörmeriza and Makri, Asia Minor.

2. DASYPOGON JUGULUM.

Mas. — *Mystax niger*; *pedes nigro flavoque varii.* Fœm.—*Abdomen rufu fasciatum.*

Dasyppogon jugulum, Loew, Linn. Ent. ii. 441, 2.
 Isle of Rhodes and the neighbouring coast of Asia Minor.

3. DASYPOGON PLATYNOTUS.

Mas. — *Mystax pallide flavescens*; *femora nigra.* Fœm.—*Abdomen nigrum*; *femora basi nigra.*

Dasyppogon platynotus, Loew, Linn. Ent. ii. 443, 3.
 Makri and Patara, Asia Minor.

4. DASYPOGON LUCTUOSUS.

Niger; *pedes rufi.* Mas.—*Mystax flavescens*; *alæ nigricantes.* Fœm.—*Abdomen nigrum*; *alæ pallidiores.*

Dasyppogon luctuosus, Hoffm. Meig. Zweifl. ii. 259, 3. Loew,
Linn. Ent. ii. 446, 4.

Italy. Portugal.

Group 2. DASYPOGON.

Præcedenti similis, at mystax ad faciei medium ascendens, et inde usque ad antennas pilis sparsis abbreviatis instructus.

Dasyponon, *Loew, Linn. Ent.* ii. 448.

A. Thorax aureo varius.

- A. Facies flavæ. Alæ flavescentes. - - - teutonus, *Linn.*
- B. Facies alba. Alæ hyalinæ. - - - leucocephalus, *Meig.*

B. Thorax non auratus.

- A. Humeri prominuli.

A. Tarsi ferruginei. *Mas.*—Abdomen supra nigrum.

Diadema, *Fabr.*

B. Tarsi nigri. *Mas.*—Abdomen supra rufum. variabilis, *Brullé.*

B. Humeri non prominuli. - - - cylindricus, *Fabr.*

C. Corpus ferrugineum. Abdomen basi maculisque lateralibus nigris. - - - analis, *Fabr.*

5. DASYPOGON TEUTONUS.

Mas et Fœm. Niger; facies, thoracis margo lateralis et pleurarum maculae magnæ aureo micantes.

Asilus teutonus, Linn.

Central and Southern Europe.

6. DASYPOGON LEUCOCEPHALUS.

Niger; facies, thoracis latera et abdominis puncta lateralia alba pedes fulvi, femoribus posticis apice tarsiisque nigri; alæ hyalinæ, ad costam fuscantes.

*Dasyponon leucocephalus, Meig. Zweifl. ii. 269, 2, pl. 10, f. 10.
Macq. Hist. Nat. Dipt. i. 293, 3.*

South France.

7. DASYPOGON DIADEMA.

Mas.—*Ater; pedes et alæ concolores; humeri prominuli.* Fœm.—*Nigra, pilis occipitis prothoracisque pallidis, nigris interdum parce admixtis; abdomen cingulis 3—6 superius rufo-ferrugineis; pedes interdum picei.*

Dasyponogon Diadema, Fabr.

Dasyponogon punctatus, var. *umbrosa*, Brullé, Expéd. Scient. de Morée, iii. 1, 292, 631, pl. 46, f. 2.

Central and Southern Europe. Asia Minor. Australia.

8. DASYPOGON VARIABILIS.

Mas et Fœm. *Nigro-violascente micans; abdomen nitidum, rufo plus minusve fasciatum, segmentis 20—50 macula utrinque laterali albida; pedes nigri.* Mas.—*Mystax et facies inferior nigra; alæ obscure violaceæ.* Fœm.—*Mystax et facies inferior albido-flava; alæ flavescentes.*

Dasyponogon variabilis, Brullé, Expéd. Scient. de Morée, iii. 1, 292, 632, pl. 46, f. 4.

Calamata.

9. DASYPOGON CYLINDRICUS.

Mas.—*Ater; pedes et alæ concolores humeri non prominuli.* Fœm.—*Niger pilis occipitis prothoracisque nigris, vix unquam pallidis aliquot admixtis; abdomen cingulis 3—5 superius semper rufo-ferrugineis; pedes rufi, interdum nigricantes.*

Asilus cylindricus, Fabr. Ent. Syst. iv. 381, 24. Meig. Klass. i. 267.

Dasyponogon cylindricus, Fabr. Syst. Antl. 165, 6. Meig. Zweifl. ii. 262, 7. Macq. Dipt. Nord. Asil. 24, 4. Loew, Linn. Ent. ii. 451, 7.

Dasyponogon fasciatus, Meig. Zweifl. ii. 261, 5. Macq. Dipt. Nord. Asil. 24, 3.

Central and Southern Europe.

10. DASYPOGON ANALIS.

Ferrugineus; thorax nigro vittatus; abdomen basi nigrum, segmentorum marginibus utrinque albis; alæ flavescentes.

Asilus analis, *Fabr. Ent. Syst.* iv. 377, 4. *Meig. Klass. Zweifl.* i. 265, a.

Dasypogon analis, *Fabr. Syst. Antl.* 164, 1. *Meig. Zweifl.* ii. 263, 8. *Macq. Hist. Nat. Dipt.* i. 294, 4.

Italy.

Div. II. Tibiæ antice apice non calcaratæ.

Sub-div. I. Corpus elongatum.

Group 3. STENOPOGON.

Species gracillimæ, præ cæteris tantum pilosæ. Caput non-nihil altius quam latum. Facies minima, supra contracta, tuberculis magnis subcarinatis, postice extensis. *Mystax* setis validis, supra brevioribus, fere ad antennas ascendens. Frons æqualiter lata, at minima. Antennæ valde approximate, sat graciles; arista mediocriter longa, aut subelongata. Oculi valde elevati, non remoti. Proboscis præ cæteris robusta et porrecta. Thorax mediocriter gibbosus, pilis antice abbreviatis postice setis longis. Abdomen gracile, cylindricum, sat nudum. Pedes longi, sat graciles; femora plus minusve incrassata, subtus (antice præsertim) plus minusve setosa; tibiæ posticæ simplices, apice non incrassatae. *Mas.*—Sexualia præ cæteris parva.

Stenopogon, *Loew, Linn. Ent.* ii. 453.

A. Corpus nigrum.

A. Pedes rufi. - - - - - *coracinus*, *Loew.*

B. Pedes nigri. - - - - - *milvus*, *Loew.*

B. Corpus cinereum.

A. Vena cubitalis et externo-media la valde convergentes.

elongatus, *Meig.*

B. Vena cubitalis et externo-media la parum convergentes.

callosus, *Wied.*

C. Corpus flavo-cinereum.

A. Antennæ nigrae. - - - - - *ochreatus*, *Loew.*

B. Antennæ maxima ex parte rufæ. - - - - - *sabaudus*, *Febr.*

11. DASYPOGON CORACINUS.

Fœm. *Ater; pedes rufi; alæ nigricantes.*

Dasypogon coracinus, Loew, Linn. Ent. ii. 454, 8.
Italy.

12. DASYPOGON MILVUS.

Mas et Fœm. *Nigricans, cinereo pilosus; tibiæ basi tarsique badia; alæ obscure fuscæ.*

Dasypogon milvus, Loew, Linn. Ent. ii. 454, 9.
Rhodes. Isle of Leros.

13. DASYPOGON ELONGATUS.

Mas et Fœm. *Cinereus; alarum vena cubitalis et vena extero-media la apice valde convergentes.*

Dasypogon elongatus, Meig.
South Europe and Asia Minor.

14. DASYPOGON CALLOSUS.

Mas. *Cinereus; alarum vena cubitalis et vena extero-media la apice parum convergentes.*

Asilus callosus, Wied. Zool. Mag. i. 2, 30. Meig. Zweifl. ii. 333, 42.

Dasypogon callosus, Loew, Linn. Ent. ii. 458, 11.
North and Southern Russia.

15. DASYPOGON OCHREATUS.

Mas et Fœm. *Flavo-cinereus; antennæ nigrae; abdomen nigrum, maculis dorsalibus maximis rufo-ferrugineis.*

Dasypogon ochreatus, Loew, Linn. Ent. ii. 459, 12.
Greece. Asia Minor.

16. DASYPOGON SABAUDUS.

Mas et Fœm. *Cinereo-flavus; antennæ maxima ex parte abdomen superius aurantiacum; mas, ularum angulus rior albidus.*

Asilus sabaudus, Fabr.

South Europe.

Group 4. HABROPOGON.

Species minores, longæ, gracillimæ. Facies et frons 1 criter at omnino æqualiter latæ. Facies subtus nonnihil tu tuberculis propriis nullis. Mystax densus, albus, usque ad faciem ascendens. Antennæ approximatæ, sat breves; arista 1 criter longa. Thorax sat convexus. Abdomen fæminæ præ elongatum et attenuatum. Pedes validiusculi; femora, tibieæ posticæ apice subincrassata; femora subtus pilosa, non s metatarsus anticus aut intermedius articulo 2o, 3o, aut 4 longior; metatarsus posticus articulis 2o 3oque conjunctis vior; articulus 2us brevis, subincrassatus.

Habropogon, Loew, Linn. Ent. ii. 463.

17. DASYPOGON EXQUISITUS.

Mas et Fœm. *Thoracis dorsum fusco albidoque varium; satis incrassata.*

Dasypogon exquisitus, Loew, Linn. Ent. ii. 464, 14. Meig. i. ii. 267, 14, scem.

Dasypogon rutilus, Meig. Zweifl. vii. 70, 46, mas.

Italy. Sicily. Spain.

18. DASYPOGON LONGIVENTRIS.

Mas et Fœm. *Thorax fusco cinereoque varius; femora incrassata.*

Dasypogon longiventris, Loew, Linn. Ent. ii. 467, 15.

Asia Minor. Isles of Greece.

Group 5. XIPHOCERUS.

Species sat graciles. Corpus pubescens. Caput mediocriter crassum. Facies mediocriter et æqualiter lata, versus os nonnihil elevata, tuberculis nullis. Frons sat latæ. Ocellorum tuberculi non bene determinati. Mystax densus, brevis, faciei partem inferiorem tantum occupans. Proboscis brevis, crassa, apice thoracem versus areuata. Palpi articulo ultimo subincrassato. Antennæ longæ aut longissimæ; articulus 2us præ 1o brevissimus; 3us 1o 2oque conjunctis plus duplo longior, arista brevissima aut indistincta. Thorax mediocriter areuatus. Abdomen cylindricum, postice non valde attenuatum. Pedes graciles, nudiusculi, setulæ longiores breves, rarae, apud tibias posticas tantum conspicue; metatarsus valde elongatus.

Xiphocerus, Loew, Linn. Ent. ii. 470.

Xiphocera, Macq. Hist. Nat. Dipt.

19. DASYPOGON GLAUCIUS.

Mas et Fœm. *Abdominis segmenta omnia glauco fasciata, postice flavo marginata.* Mas.—*Nigricans; pedes concolores.* Fœm.—*Nigricans; thoracis margo lateralis pedesque rufo-testacei.*

Asilus glaucius, Rossi.

Italy. Sicily. Albania. Siberia.

Group 6. HOLOPOGON.

Species parvæ, tenues. Corpus nigrum, tenuiter at compareat longe pilosum; abdominis dorsum omnino breviter pilosum. Caput præ cæteris mediocriter latum. Frons supra postice paullo latior. Vertex parum incrassata. Facies mediocriter et æqualiter lata, subconvexa, tuberculis nullis. Mystax usque ad antennas ascendens. Antennæ approximatæ, graciles; articuli 1us et 2us fere æquales; arista sat longa aut longissima. Thorax brevis, valde eonvexus, pulvereus. Pedes anteriores graciles, metatarso longiusculo; postice femoribus non incrassatis, tibiis valde clavatis, tarsis (metatarso præsertim) incrassatis. Femora tenuiter pilosa; tibiæ tarsique setis longioribus. Mas.—Abdomen magis cylindricum, saepe nonnihil compressum. Sexualia parva. Fœm.—Abdomen nonnihil depresso.

Holopogon, Loew, Linn. Ent. ii. 474.

A. Alæ nigrae aut nigricantes.

A. Alæ maris basi albæ.

- A. Abdomen *maris* omnino atrum. - *nigripennis*, *Meig.*
 B. Abdomen postice tomento flavidо-cinereo. *venustus*, *Ross.*

B. Alæ non basi albæ.

- A. Abdomen maculis flavo micantibus. - *siculus*, *Macq.*
 B. Abdomen maculis nullis flavo micantibus.

a. Thorax maculis duabus subcinereis. *dimidiatus*, *Meig.*

b. Thorax maculis quatuor subcinereis.

i. Thorax vitta media. - - - *timidus*, *Loew.*

ii. Thorax non vittatus. - - - *fumipennis*, *Meig.*

B. Alæ hyalinae, venis fusco limbatis. - *Macquarti*, *Perr.*

C. Alæ purissime hyalinae. - - - *clavipes*, *Loew.*

20. DASYPOGON DIMIDIATUS.

Mas et Fœm. *Niger*, *nitens*, *maculis duabus minutis in thoraci dorso interscapularibus cinerascentibus, interdum minus distinctis; alæ nigrae, apice hyalinae.*

Dasyptogon dimidiatus, *Meig.* *Zweifl.* ii. 280, 34, mas. *Loew*, *Linn. Ent.* ii. 474, 17.

Dasyptogon fuscipennis, *Meig.* *Zweifl.* ii. 280, 35, fœm.

Italy. Sardinia. Austria.

21. DASYPOGON TIMIDUS.

Mas. *Thorax linea longitudinali media, maculis duabus humeralibus alterisque lateralibus fusco-cinereis; alæ nigricantes, apice dilutiores.*

Dasyptogon timidus, *Loew*, *Linn. Ent.* ii. 475, 18.

Italy.

22. DASYPOGON NIGRIPENNIS.

Mas et Fœm. *Alæ nigricantes.* Mas.—*Alæ basi albæ; abdomen omnino atrum.* Fœm.—*Thoracis dorsum maculis cinerascentibus interscapularibus postscapularibusque connexis.*

Dasyptogon nigripennis, *Meg. Meig. Zweifl.* ii. 278, 29. *Germ. Faun. Ins.* ix. 23. *Loew, Iris*, 1840, 536, 2; *Linn. Ent.* ii. 476, 19.

Central Europe.

23. DASYPOGON VENUSTUS.

Mas et Fœm. Alæ nigræ. Mas.—Abdomen postice tomento flavido-cinereo tectum; alæ basi albæ. Fœm.—Thoracis dorsum maculis fusco-cinereis interscapularibus distinctissimis, postscapularibus nullis.

Asilus venustus, *Rossi, Faun. Etrusc.* ii. 328, 1568, pl. 7, f. 7.

Asilus minutus, *Fabr. Ent. Syst.* iv. 390, 63. *Meig. Klaus. Zweifl.* i. 249, 6.

Diocria minuta, *Fabr. Syst. Antl.* 152, 14.

Dasyptogon Iris, *Meig. Klaus. Zweifl.* i. 253, 5.

Dasyptogon minutus, *Meig. Zweifl.* ii. 277, 28. *Macq. Dipt. Nord. Antl.* 26, 7; *Hist. Nat. Dipt.* i. 299, 23. *Loew, Linn. Ent.* ii. 479, 20.

France and Italy.

24. DASYPOGON SICULUS.

Mas.—Abdominis cingula 3um et 4um tomento flavo-cinereo vestita; alæ dilute cinereo-nigricantes. Fœm.—Thoracis dorsum antice lineolis quatuor cinerascentibus signatum; abdominis segmenta 3um et 4um maculis binis tomentosis flavo micantibus.

Dasyptogon siculus, *Macq. Hist. Nat. Dipt.* i. 300, 27. *Meig. Zweifl.* vii. 72, 49. *Loew, Linn. Ent.* ii. 481, 21.

Sicily.

25. DASYPOGON FUMIPENNIS.

Mas et Fœm. Thoracis dorsum maculis cinerascentibus interscapularibus postscapularibusque connexis. Mas.—Alæ dilutissime cinereo-nigricantes. Fœm.—Alæ dilute nigricantes.

Dasyptogon fumipennis, *Meg. Meig. Zweifl.* ii. 278, 30, fœm. *Macq. Hist. Nat. Dipt.* i. 299, 24. *Zell. Isis*, 1840, 45. *Loew, Linn. Ent.* ii. 482, 22.

Dasyptogon albipilus, *Meig. Zweifl.* ii. 281, 36, mas.

Central and Southern Europe.

26. DASYPOGON CLAVIPES.

Mas et Fœm. *Alæ purissime hyalinæ.*

Dasypogon clavipes, *Loew, Isis*, 1840, 537, 4; *Linn. Ent.* ii. 486,
23.

Dasypogon primus? *Meig. Zweifl.* ii. 279, 32.

Dasypogon laniger *Zell. Isis*, 1840, 45.

Germany.

27. DASYPOGON MACQUARTI.

Nigricans; caput cinereo-fuscum; mystax pilis nigris albis et
rufescensibus; barba alba; thorax vittis tribus obscurioribus,
lateribus cinereis; abdomen albo pilosum, segmentis cinereo-
fasciatis; pedes albo pilosi, nigro spinosi; alæ hyalinae, venis
fusco limbatis; halteres albido-flavi.

Dasypogon Macquarti, *Perris, Ann. Soc. Linn. Lyon*, 1850—52
199.

Grandes Landes, France.

Note.—This species may belong to some other group of
Dasypogon.

Group 7. ERIOPOGON.

Aspectu Holopogoni nonnihil affinis; capit structure omnino
similis. Antennæ manifesta graciliores; articulus 2us præ lo bre-
vissimus; 3us cum arista gracillimus. Species minores, pube tenui
at densa et apud abdominis dorso longa vestitæ. Pedes structum
gracili; tibiae posticæ non clavata; tarsi postici vix incrassati.
Mas.—Sexuali minima.

Eriopogon, *Loew, Linn. Ent.* ii. 487.

28. DASYPOGON LANIGER.

Mas. Abdomen undique longissime albo lanatum; alæ purissime
hyalinae.

Dasypogon laniger, *Meig. Zweifl.* ii. 282, 39. *Loew, Linn. Ent.* ii.
487, 24.

Portugal.

Group 8. HETEROPOGON.

Species nigra, mediocriter hirta, mediae magnitudinis. Caput latissimum, brevissimum, non elevatum. Facies aequaliter et maxime lata, tuberculis nullis. Frons postice vix latescens sed apud verticem valde excavata, ocellarum tuberculis abrupte extantibus. Mystax peristomate fere usque ad antennas ascendens, setis longioribus et validioribus inferioribus, hirsutie tenui et non densissima superiori. Antennae valde approximate; articuli 1us et 2us mediocres, aequales; 3us gracilis, arista longa acuta. Thorax brevis, fere gibbosus. Abdomen supra depresso fere nudum, fasciis ferrugineis plus minusve latius. Pedes mediocriter graciles et setosi; femora non incrassata; tibiae posticæ apice crassæ; tarsi postici anticis paullo breviores; metatarsus elongatus. *Mas.* — Tibiae intermediae et tarsi antici hirsutie propria ornata.

Heteropogon, *Loew*, *Linn. Ent.* ii. 488.

- A. Alæ infuscatae, margine antico flavo. - - - *manicatus*, *Meig.*
- B. Alæ aequaliter nigrae. - - - *scoparius*, *Loew.*
- C. Alæ subhyalinæ, venis nigro limbatis. - - - *succinctus*, *Loew.*

29. DASYPOGON MANICATUS.

Mas et *Fœm.* *Alæ infuscatae*, *margine anteriore flavo*. *Mas.* — *Metatarsi antici niveo pilosi*.

Dasyopogon manicatus, *Meig. Zweift.* ii. 268, 16. *Macq. Hist. Nat. Dipt.* i. 296, 13. *Loew, Linn. Ent.* ii. 488, 25.

France. Piedmont.

30. DASYPOGON SCOPARIUS.

Mas et *Fœm.* *Alæ aequaliter nigrae*. *Mas.* — *Tarsi antici articulis 2o, 3o et 4o extus niveo pilosi*.

Dasyopogon scoparius, *Loew, Linn. Ent.* ii. 489, 26.

Mermeriza, *Asia Minor*.

31. DASYPOGON SUCCINCTUS.

Fœm. *Thoracis dorsum antice brevissime pilosum; alæ subhyalinae, venis distinctissime nigro limbatis.*

Dasypogon succinctus, Loew, Linn. Ent. ii. 91, 27.

Brusa, Asia Minor.

Group 9. ISOPOGON.

Caput inferum, brevissimum, latissimum. Facies æqualiter et maxime lata, tuberculis nullis. Frons postice vix latior, apud verticem valde excavata, ocellarum tuberculis abrupte extantibus. *Mystax* pilis structura omnino æqualibus, fere ad antennas ascedentibus, supra vix densis. Antennæ approximatae; articuli lus et 2us æquales, breves; 3us gracilis, arista longa. Thorax brevis, altissimus. Abdomen hirsutie brevissima. Pedes mediocriter gracieles; femora postica anticus nonnihil crassiora; metatarsus plus minusve incrassatus. *Mas*.—Sexualia parva. *Fœm*.—Abdominis segmentum 5um acuminatum; 6um et 7um et 8um minima, oviductum porrectum fingentes.

Leptarthrus, Steph.

Isopogon, Loew, Linn. Ent. ii. 492.

32. DASYPOGON BREVIROSTRIS.

*Mas et Fœm. *Mystax niger*. *Mas*.—*Metatarsus posticus articulis sequentibus conjunctis multo longior*.*

Dasypogon brevirostris, Meig.

North and Central Europe.

33. DASYPOGON VITRIPENNIS.

*Mas. *Metatarsus posticus articulis sequentibus conjunctis rixæqualis*. *Fœm.—Mystax tenuis, flavido-cinereus*.*

Asilus hottentottus? Fabr. Ent. Syst. iv. 388, 7. Meig. Klass. Zweifl. i. 270.

Dioctria hottentotta? *Fabr. Syst. Antl.* 151, 7.
Dioctria hyalipennis, *Meig. Klass. Zweifl.* i. 265, 2.
Dasyptogon vitripennis, *Meig. Zweifl.* ii. 274, 25. *Zett. Dipt. Scand.* i. 180, 5. *Loew, Linn. Ent.* ii. 495, 29.
 North and Central Europe.

Group 10. OLIGOPOGON.

Corporis statura Hyboti et Dioctriæ similis. Caput præsertim humile et latum, fere ut in *Discocephala* at paullo longius. Facies equaliter et mediocriter lata, subconvexa, tuberculis nullis. Frons postice vix latescens, apud verticem valde excavata; ocellarum tuberculi valde extantes. *Mystax* ad faciem medium ascendens, setis paucis et mediocriter validis. Antennæ valde approximatæ; articuli 1us et 2us brevissimi, fere æquales; 3us gracilis, arista mediocriter longa, pilis validis vestita. Proboscis porrecta, mediocriter longa. Thorax valde convexus, breviter et rare pilosus. Abdomen depresso-cylindricum, gracile, fere nudum. Pedes sat graciles; posisci femoribus subincrastatis, tibiis subclavatis; metatarsus nonnihil elongatus. *Mas.*—*Sexualia parva*.

Oligopogon, *Loew, Linn. Ent.* ii. 497.

34. DASYPOGON HYBOTINUS.

Mas et Fem. *Niger*, *nitidus*; *ala* *limpidæ*; *tibiae ferrugineæ*, *apice nigro-fuscae*.

Dasyptogon hybotinus, *Loew, Linn. Ent.* ii. 498, 30.

Isle of Rhodes.

Group 11. STICHOPOGON.

Species elongatæ, depresso-nudiusculæ, plerumque mediocres. Facies brevissima, mediocriter lata, supra nonnihil contracta, tuberculis nullis. Frons supra inusitate dilatata, antice subrotundata, ocellarum tuberculis vix elevatis. Peristoma magnum, rotundatum. *Mystax* deflexus, apud peristoma angustatus, apud faciem nonnunquam pilis raris longioribus. Oculi valde extantes, speculis

plurimis anticis majoribus. Palpi graciles, nudi. Antennæ approximate; articuli 1us et 2us æquales, breves; 3us mediocris; arista biarticulata, articulo 1o sat longo, cylindrico, 2o breviori setiformi. Thorax valde depressus. Abdomen depressum, gracile. Pedes sat graciles, nudi; tibiae tarsique setis longis; femora anteriores posticis validiora, plerumque sat distincte incrassata; metatarsus non incrassatus, articulo 2o in tarsis anterioribus paullo longior, in posticis æqualis. *Mas*.—Sexualia mediocriter magna; pars superior scutelliformis, inferiorem tegens. *Fœm*.—Sexualia lamellis duabus acuminatis structura dissimilibus.

Stichopogon, *Loew*, *Linn. Ent.* ii. 499.

- | | | |
|---------------------------------|-----------|---------------------------|
| A. Antennæ testaceæ. | - - - - - | scaliger, <i>Loew</i> . |
| B. Antennæ nigræ. | | |
| A. Abdomen fasciis æqualibus. | - - - - - | tener, <i>Loew</i> . |
| B. Abdomen fasciis inæqualibus. | | |
| a. <i>Mystax</i> albus. | - - - - - | inæqualis, <i>Loew</i> . |
| b. <i>Mystax</i> niger. | - - - - - | nigritrons, <i>Loew</i> . |

35. DASYPOGON SCALIGER.

Mas et *Fœm*. *Antennæ testaceæ; abdomen fasciis æqualibus albo-cinereis*.

Dasypogon elegantulus, *Mas.?* *Meig. Zweifl.* ii. 270, 18.

Dasypogon scaliger, *Loew*, *Linn. Ent.* ii. 501, 36.

Italy. South Russia.

36. DASYPOGON TENER.

Mas et *Fœm*. *Antennæ nigræ; abdomen fasciis æqualibus albidis*.

Dasypogon elegantulus, *Mas.?* *Meig. Zweifl.* ii. 270, 18.

Dasypogon tener, *Loew*, *Linn. Ent.* ii. 503, 32.

Patara and Xanthus in Asia Minor.

37. DASYPOGON INEQUALIS.

Mas et Fœm. *Mystax albus*; *antennæ nigrae*; *abdomen fasciis inæqualibus albis.*

Dasyponogon elegantulus, *Fœm.*, *Meig. Zweifl.* ii. 270, 18.

Dasyponogon inæqualis, *Loew, Linn. Ent.* ii. 505, 33.

Portugal. Patura and Xanthus in Asia Minor.

38. DASYPOGON NIGRIFRONS.

Fœm. *Mystax niger*; *abdomen fasciis inæqualibus cinerascentibus.*

Dasyponogon nigrifrons, *Loew, Linn. Ent.* ii. 506, 34.

Mermeriza, Asia Minor.

Group 12. LASIOPOGON.

Species nigrae, sat elongatae, mediocriter magnæ et pilosæ, abdominis incisuris albidis. Caput mediocriter latum, non brevissimum. Facies lata, supra distincte angusta, tuberculæ inferioribus magnis. Frons lata, supra dilatata, sulcis tribus parallelis profundis; ocellarum tuberculi parum elevati. *Mystax longus*, hirsutissimus, faciei tuberculos omnino tegens. Palpi nudi. Antennæ sat approximate; articuli 1us et 2us breves; 2us 1o brevior; 3us mediocris; arista mediocriter longa, plerumque pilosa, articulo 2o setiformi. Thorax subconvexus, mediocriter pilosus. Abdomen depresso-cylindricum, nudiusculum. Pedes sat graciles, postici anticis vix longiores, femora postica anticis paullo graciliora; metatarsus articulo 2o duplo longior; tibiae tarsique setis validie mediocriter longis. *Mas.* — Abdominis segmenta apicem versus brevia; sexualia magna, forcipibus magnis. *Fœm.* — Abdominis segmenta apicem versus abbreviata; lamellæ inferiores approximatæ, apice rotundatae.

Lasiopogon, *Loew, Linn. Ent.* ii. 508.

A. Antennæ omnino nigrae.

- | | | |
|--|-----------|--------------------------|
| <i>A. Arista nuda.</i> | - - - - - | cinctus, <i>Fabr.</i> |
| <i>B. Arista piligera.</i> | - - - - - | pilosellus, <i>Loew.</i> |
| <i>B. Antennarum articulus 3us basi flavicans.</i> | - | tarsalis, <i>Loew.</i> |

39. DASYPOGON CINCTUS.

Mas et Fœm. *Antennæ nigrae, arista nuda ; pedes nigri.*

*Asilus cinctus, Fabr. Sp. Ins. ii. 465, 29 ; Ent. Syst. iv. 387, 61.
Gmel. Ed. Syst. Nat. i. 5, 2899, 36.*

*Dasypogon cinctus, Meig. Klasse. Zweifl. i. 252, 4. Zell. Isis,
1840, 45. Zett. Dipt. Scand. i. 177, 1. Loew, Linn. Ent. ii.
509, 35.*

*Dasypogon hirtellus, Fall. Dipt. Asil. ii. 1. Macq. Dipt. Nord.
Fr. Asil. 25, 5 ; Hist. Nat. Dipt. i. 298, 19. Zett. Ins. Lapp.
506.*

*Dasypogon cinctellus, Meig. Zweifl. ii. 272, 22. Macq. Hist. Nat.
Dipt. i. 297, 8. Loew, Isis, 1840, 536, 1.*

North, Central and Southern Europe.

40. DASYPOGON PILOSELLUS.

Mas et Fœm. *Antennæ nigrae, arista piligera ; pedes nigri.*

Dasypogon hirtellus ? Meig. Zweifl. ii. 273, 23.

Dasypogon pilosellus, Loew, Linn. Ent. ii. 511, 36.

Ephesus, Asia Minor.

41. DASYPOGON TARSALIS.

Mas et Fœm. *Antennæ nigrae, articulo 3o basi flavicante ; pedes
nigri, tarsis fuscocentibus.*

Dasypogon tarsalis, Loew, Linn. Ent. ii. 513, 37.

Ephesus, Asia Minor.

Group 13. CYRTOPOGON.

Species dense hirtæ, statura mediocri aut paullo maiores. Caput latum, sat humile. Facies lata, supra vix contracta, tuberculis magnis omnino occupata. Frons supra paullo latius, apud verticem manifeste excavata, ocellorum tuberculis sat extantibus dense hirtis. *Mystax* densus, fere ad antennas ascendens. Antennæ approximate; articuli 1us et 2us breves; 3us sat gracilis, arista valida longa. Thorax valde convexus, pubescentia at tenui, semper lineis distinctis, delineatione plerumque figuram 5 duplicatam finiente. Abdominis segmenta intermedia lineis posticis transversis albidis. Pedes sat graciles; postici anterioribus paullo longiores et crassiores; femora valde hirta; tibiæ setis plurimis robustis aut hirsutie longiore; metatarsus elongatus. *Mas.*—Abdomen cylindricum, postice subattenuatum; sexualia brevia, crassa, sat magna. Tarsi antici plerumque validi et elongati. *Fœm.*—Abdomen latius magisque depresso. Sexualia lamellis subtus distinctis nullis.

Cyrtopogon, Loew, Linn. Ent. ii. 516.

- A. Antennarum articulus 3us fulvo tomentosus. ruficornis, Fabr.
- B. Antennarum articulus 3us luteus. - - - luteicornis, Zett.
- C. Antennæ nigrae.
- A. Corpus nigrum.
 - a. *Mystax* omnino niger. Alæ maris nigrantes. lateralis, Fall.
 - b. *Mystax* fæmina intus pallidus. Alæ maris macula nigra. maculipennis, Mucq.
 - c. *Mystax* maris intus niger, extus albidus. Alæ limpidae. flavimanus, Meig.
- B. Corpus cinereum. - - - - - lapponicus, Zett.

42. DASYPOGON RUFICORNIS.

Mas et Fœm. *Niger*; *antennarum articulus 3us abdominalisque segmenta media fulvo tomentosa*; *tibiæ tarsique ferruginea*; *alæ limpidae*, *costa apiceque fusco-cinereis*.

Asilus ruficornis, Fabr. Ent. Syst. iv. 380, 20; Syst. Antl. 155, 9.
Meig. Klass. Zweifl. i. 266.

Dasypogon ruficornis, *Meig. Zweifl.* ii. 269, 17. *Macq. Hist. Nat. Dipt.* i. 296, 14. *Zell. Isis*, 1840, 44. *Loew, Linn. Ent.* ii. 517, 38.

Central Europe.

43. DASYPOGON MACULIPENNIS.

Mas et Fœm. *Niger, nitidus ; tibiae tarsique ferruginea.* Mas.—*Abdominis latera albo lineolata ; alæ macula magna subapicali nigra, alteraque ad marginem posteriorem minore.* Fœm.—*Mystax intus pallidus, extus niger ; abdominis latera albido lineolata.*

Dasypogon flavimanus, *Fœm., Meig. Zweifl.* ii. 271, 20.

Dasypogon maculipennis, *Macq. Hist. Nat. Dipt.* i. 296, 15. *Meig. Zweifl.* vii. 72, 50. *Loew, Linn. Ent.* ii. 519, 39.

Dasypogon litura, *Zell. Ent. Zeit. Stett.* 1841, 180.

Central and Southern Europe.

44. DASYPOGON FLAVIMANUS.

Mas. *Niger ; mystax intus niger, extus albidus ; abdominis latera albido lineolata ; tarsi ferruginei ; alæ limpidae, costa apiceque fusco-cinereis.*

Dasypogon flavimanus, *Mas., Meig. Zweifl.* ii. 271, 20. *Macq. Hist. Nat. Dipt.* i. 297, 16. *Loew, Linn. Ent.* ii. 521, 40.

Southern Europe.

45. DASYPOGON LATERALIS.

Mas et Fœm. *Niger ; mystax omnino niger.* Mas.—*Abdominis segmenta 2um et 3um pallide pollinosa ; alæ nigricantia.* Fœm.—*Abdominis latera albo lineolata ; alæ cinerea.*

Dasypogon lateralisis, *Fall. Dipt. Suec. Asil.* 12, 2. *Meig. Zweifl.* ii. 276, 27. *Macq. Hist. Nat. Dipt.* i. 298, 21. *Zett. Inv. Lapp.* 509, 2, Var. a. *Zett. Dipt. Scand.* i. 177, 2. *Loew, Linn. Ent.* ii. 523, 41.

North and Central Europe.

46. DASYPOGON LAPPONICUS.

Mas et Fæm. *Obscure cinereus*; *facies fere tota nigro mystacina*; *barba nivea*; *thorax vitta media duplicita maculaque utrinque didyma*, *obscure fuscis*; *abdomen nigrum nitidum*, *segmentorum 2i et 3i incisuris*, *4i et 5i lineola laterali transversa*, *albis*, *ventre basi albo villoso*; *pedes nigri nitidi*, *femoribus subtus albo villosis*, *tibiis tarsisque nigro spinulosis*.

Dasyponogon lapponicus, Zett. *Ins. Lapp.* 509, 3; *Dipt. Scand.* i. 178, 3.

Dasyponogon lateralis, Var. β . Fæm., Zett. *Ins. Lapp.* Lapland.

47. DASYPOGON LUTEICORNIS.

Fæm. *Niger*; *facies subconvexa cinerascens*; *mystax albida*, *supra et infra parce niger*; *barba alba*; *antennarum articulus 3us luteus*; *thorax obscure cinerascens*, *lineis 2 mediis maculisque lateralibus nigricantibus*; *abdomen utrinque lineis 4 transversis albis*; *ala infuscata*, *basi hyalina*; *tibiae tarsique rufo-ferruginea*.

Dasyponogon luteicornis, Zett. *Dipt. Scand.* i. 179, 4.

Group 14. ANAROLIUS.

Corpus nonnihil contractum. Caput latum, vix altum. Facies lata, supra subcontracta, tuberculis magnis omnino occupata. Frons supra latescens, apud verticem excavata, ocellorum tuberculis elevatis hirtis. Mystax fere ad antennas ascendens. Antennæ remotæ; articuli 1us et 2us breves, hirsutissimi; 3us gracilis, arista longa. Thoracis hirsuties cristam fingens. Abdomen pilis longis densisque vestitum, lateribus subcompressis. Pedes sat graciles, valde pilosi et setosi; tarsi graciles; metatarsus distincte elongatus; unguis longi et graciles. *Mas.*—Abdomen sat cylindricum; sexualia parva. *Fem.*—Abdomen magis acuminatum, lamellis subtus nullis.

Anarolius, Loew, *Ent. Zeit. Stett.* 1844, 165; Linn. *Ent.* ii. 524.

48. DASYPOGON JUBATUS.

Mas et Fœm. *Niger*; *mystax supra niger, subtus niveus*; *ala hyalinae, basi costaque fuscescensibus, venis transversis fuso limbatis*.

Anarolius jubatus, *Loew, Ent. Zeit. Stett. v. 165, pl. 2, f. 22—25.*
Dasyponogon jubatus, *Loew, Linn. Ent. ii. 525, 42.*

Mermeriza and Ephesus, Asia Minor.

Group 15. ACNEPHALUM.

Corpus latum, dense hirtum. Caput latum, sat humile. *Mystax densus*, fere ad antennas ascendens. Antennarum articulus 1us et 2us breves; 3us gracilimus, longissimus, arista longa nuda. Thorax sat convexus. Abdomen subdepressum, basi apiceque arcuatum. Sexualia occulta. Pedes hirsutissimi, onychiis nullis. Alarum vena mediastinalis subcostali disjuncta.

Acnecephalum, *Macq. Dipt. Exot. i. 2, 51. Loew, Linn. Ent. ii. 525.*

49. DASYPOGON OLIVIERI.

Ater, albido hirsutus; alæ flavescentes; vena cubitalis furca antica ramulum nullum rejiciens; vena externo-media 3a et 4a prope marginem posticum conjunctæ.

Acnecephalum Olivieri, *Macq. Dipt. Exot. i. 2, 51, 1.*

Dasyponogon Olivieri, *Loew, Linn. Ent. ii. 526, 43.*

Isle of Naxos.

Group 16. PYCNOPOGON.

Species latæ, dense hirtæ. Caput latum, brevissimum, sat humile. Facies lata, convexa, supra non angustata, tuberculis nullis. Frons supra paullo latior, apud verticem valde excavata, ocellorum tuberculis valde excavatis, *mystax* densissimus, faciei longitudinem occupans. Antennæ gracillimæ, arista longa tenui nuda. Thorax brevis, subquadratus, sat convexus. Abdomen latissimum,

depressum, distincte punctatum, hirsutie supra brevi, lateribus fasciculata, subtus longiore et densiore. Pedes sat robusti, hirsutie longiore et densiore, setisque nonnullis ; metatarsus paulo elongatus ; onychia distincta.

Pycnopogon, Loew, Linn. Ent. ii. 526.

A. Venæ cubitalis furca antica ramulum rejiciens.

 A. Alæ hyalinæ, apice cinereo-fuscescentes. fasciculatus, Loew.

 B. Alæ pure hyalinæ. - - - - - apiformis, Loew.

B. Venæ cubitalis furca antica ramulum non rejiciens.

 A. Abdomen confertissime punctulatum. - - mixtus, Loew.

 B. Abdomen parce punctulatum. - - anthophorinus, Loew.

50. DASYPOGON FASCICULATUS.

Mas et Fœm. *Niger* ; alæ hyalinæ, apice cinereo-fuscescentes ; venæ cubitalis furca antica ramulum rejiciens.

Dasyponogon fasciculatus, Loew, Linn. Ent. ii. 527, 44.

Syracuse.

a. Algeria. From M. Parzudaki's collection.

51. DASYPOGON APIFORMIS.

Mas et Fœm. *Niger*, *flavo pilosus* ; *femora antica nigro pilosa* ; alæ pure hyalinæ, venæ cubitalis furca antica ramulum rejiciens.

Dasyponogon apiformis, Loew, Linn. Ent. ii. 529, 45.

Asia Minor and the Isles of Greece.

52. DASYPOGON MIXTUS.

Mas. *Niger*, *albo pilosus* ; *abdomen confertissime punctulatum*, *lateribus setigeris* ; *venæ cubitalis furca antica ramulum non rejiciens*.

Dasyponogon mixtus, Loew, Linn. Ent. ii. 231, 46.

Makri, Asia Minor.

53. DASYPOGON ANTHOPHORINUS.

Fœm. *Niger, albido pilosus; abdomen parce punctulatum, lateribus non setigeris; venæ cubitalis furca antica ramulum non rejiciens.*

Dasypogon anthophorinus, Loew, Linn. Ent. ii. 532, 47.

Dasypogon mixtus, Fœm.?

Isle of Stanchio.

Group 17. CROBILOCERUS.

Species late, dense hirtæ. Caput latum, sat humile et breve. Facies lata, supra non angustata, convexa, tuberculis tamen nullis. Frons supra paullo latius, apud verticem valde excavata, ocellorum tuberculis valde elevatis. *Mystax* densissimus, faciei longitudinem occupans. Antennæ graciles; arista brevis, crassa, apice fasciculata. Thorax brevis, subquadratus, valde convexus. Abdomen latissimum, depresso, distincte punctatum, hirsutie supra brevi, lateribus fasciculata, subtus longiore et densiore. Pedes sat robusti, hirsutie densa setisque nonnullis longioribus; metatarsus vix elongatus, posticus subtus nonnihil arcuatus; onychia distincta.

Crobilocerus, Loew, Linn. Ent. ii. 533.

54. DASYPOGON MEGILLIFORMIS.

Mas et Fœm. *Niger; alæ subfuscescentes.*

Dasypogon megilliformis, Loew, Linn. Ent. ii. 534, 48.

Asia Minor.

Group 18. APOGON.

Caput mystace barbaque nullis. Frons angusta. Antennæ triarticulatæ; articulus 1us cylindricus; 2us cyathiformis; 3us conicus, planus, arista longiore pubescente terminatus. Pedes spinulis minimis armati; tibiæ anticæ spina interna apicali, posteriores spinis duabus apicalibus; metatarsi articulis sequentibus quatuor conjunctis longiores; onychia et unguis parva.

Apogon, Perris, Ann. Soc. Linn. Lyon. 1850—52, 198 (1852).

55. DASYPOGON DUFOURII.

Fulvo-rufescens; *facies alba*, *proboscide palpisque fulvis*; *antennæ testacea*, *arista nigricante*; *thorax vittis tribus dorsalibus*, *maculis duabus laterilibus maculaque subscutellari nigris*; *abdominis segmenta e maculis tribus nigris subfasciata*; *halteres fuso lividi*; *pedes testacei*, *femoribus tibiisque apice tarsiisque fuscescentibus*, *metatarsis posticis albidis*.

Apogon Dufourii, Perris, Ann. Soc. Linn. Lyon. 1850—52, 198.
Grandes-Landes, France.

Group — ?

- A. Thorax niger, non vittatus.
 - A. Thoracis latera alba.
 - a. Facies alba. - - - - - senex, Duf.
 - b. Facies flavo-alba. - - - - - rufipes, Gimm.
 - c. Facies aurulenta. - - - - - auribarbis, Meig.
 - B. Thoracis latera cinerea. - - - - - brunnipes, Meig.
 - C. Thoracis latera ferruginea. - - - - - liburnicus, Germ.
- B. Thorax cinereo-niger.
 - D. Thoracis latera nigra.
 - A. Abdomen albo fasciatum.
 - a. Abdomen fasciis tribus apiceque canis. arcuatus, Fabr.
 - b. Abdominis segmenta albo marginata. albo-fasciatus, Meig.
 - b. Abdomen albo non fasciatum. - - - - - Fabricii, Meig.
 - B. Thorax niger, vittis fuscis. - - - - - brevipennis, Hoffm.
 - C. Thorax niger, fulvo vittatus. - - - - - junceus, Hoffm.
 - D. Thorax cinereus, nigro vittatus.
 - A. Antennæ nigrae. - - - - - fimbriatus, Meig.
 - B. Antennarum articulus 3us fulvus. - - - - - fulvicornis, Macq.
 - E. Thorax subcinereus, rufo villosus.
 - A. Alæ fumosæ, costa rufo-testacea. - - - - - nigritriventris, Duf.
 - B. Alæ dilute fuscæ. - - - - - xanthotrichus, Brullé.
 - F. Thorax albus nigro vittatus. - - - - - melaleucus, Meig.
 - G. Thorax flavicante hirtus, nigro bivittatus. - - - - - nubilus, Hoffm.
 - H. Thorax rufus, nigro vittatus. - - - - - elatus, Meig.
 - I. Thorax ferrugineus. - - - - - tristis, Meig.
 - J. Thorax fuscus. - - - - - albobarbis, Macq.

56. DASYPOGON SENEX.

Niger, glaber; facies barbaque albida; thorax limbo scutelloque albido sericeis; abdomen fasciis quatuor; dorsalibus rufo-lutescentibus; pedes rufo-lutescentes; alæ dimidiato fumosa.

Dasypogon senex, Léon-Duf. Ann. Sci. Nat. xxx. 215, 7.

Navarre, Spain.

57. DASYPOGON RUFIPES.

Niger; facies flavo-alba; antennæ et pedes rufa; thorax anterior limbo albo; abdominis segmenta 2um, 3um et 4um lineolū lateralibus albis; alæ flavo-fuscescentes.

Dasypogon rufipes, Gimm. Bull. Soc. Imp. Nat. Mosc. 1847, 3, 159, 6.

South Russia?

58. DASYPOGON AURIBARBIS.

Niger, nitidus; facies aurulenta; mystax aurulentus, pilis non-nullis nigris; thorax maculis duabus anticis cinereis; pectoris et abdominis latera albo hirta; alæ dilute fuscae; halteres fuscæ, apice flavi.

Dasypogon auribarbis, Meig. Zweifl. ii. 279, 31.

South France. Austria.

59. DASYPOGON BRUNNIPES.

Niger, nitidus; facies et mystax flava; thorax maculis duabus anticis cinereis; pectoris latera cinerea; pedes ferruginei; alæ hyalinæ; halteres flavi.

Dasypogon brunnipes, Meig. Zweifl. ii. 279, 33.

Austria.

60. DASYPOGON LIBURNICUS.

*Niger; thoracis margines ferruginei, orichalceo micantes; abdo-
men maculis lateribus albidis; pedes ferruginei, femoribus
supra nigris; alæ flavescentes, venis apice fusco marginatis.*

Dasypogon liburnicus, *Germar.* *Meig. Zweifl.* ii. 282, 40.

Italy.

61. DASYPOGON RIPICOLA.

*Cinereo-niger, glaber; barba atra; antennarum articulus 3us apice
styliſer; abdomen atrum segmentis 4o, 5o, ultimoque supra
argenteo micantibus; alæ hyalinæ.*

Dasypogon ripicola, *Léon-Duf. Ann. Sci. Nat.* xxx. 216, 9.

Logronna, by the Ebro, Spain.

62. DASYPOGON ARCUATUS.

Niger, hirtus, parvus; abdominis segmenta albo marginata.

Asilus arcuatus, Fabr. Ent. Syst. iv. 387, 50. *Meig. Klass. Zweifl.*
270, p.

Dasypogon arcuatus, Fabr. Syst. Antl. 172, 39. *Meig. Zweifl.* ii.
285, 44.

Italy.

63. DASYPOGON ALBO-FASCIATUS.

Niger; abdomen albo-fasciatum; alæ fere limpidae, halteres flavi.

Dasypogon albo-fasciatus, *Meig. Zweifl.* ii. 281, 37.

Austria.

64. DASYPOGON FABRICII.

*Niger; tibiae posteriores basi rufescentes; alæ hyalinæ, apice sub-
fuscescente cinerea; halteres albido-fuscescentes.*

Dasypogon Fabricii, *Meig. Zweifl.* ii. 270, 19.

Italy.

65. DASYPOGON BREVIPENNIS.

Fusco-cinerascens; thorax vittis quatuor fuscescensibus; abdomen et pedes badia, illum alis triente longius; alæ strigis flavescente-cinereis.

Dasypogon brevipennis, Hoffm. Meig. Zweifl. ii. 267, 13.
Portugal.

66. DASYPOGON JUNCEUS.

Nigricans; thorax fulvo vittatus; abdomen fulvo fasciatum; pedes fulvi, femoribus nigris, anterioribus extus subtusque fulvis; alæ limpidæ, venis subflavescente limbatis.

Dasypogon junceus, Hoffm. Meig. Zweifl. ii. 266, 12. Macq. Hist. Nat. Dipt. i. 296, 12.

South France.

67. DASYPOGON FIMBRIATUS.

Cinereus; thorax lineis maculisque nigricantibus; abdomen nigrum, incisuris utrinque albo maculatis; alæ subcinereæ; halteres sordide albidi.

Dasypogon fimbriatus, Meig. Zweifl. ii. 272, 21. Macq. Hist. Nat. Dipt. i. 297, 17.

South France.

68. DASYPOGON FULVICORNIS.

Mas et Fœm. *Niger; frons cinerea; mystax niger; antennarum articulus 3us fulvus, basi niger; thorax fasciis glauco-cinereis. Mas.—Alæ fuscae basi subhyalinae. Fœm.—Abdomen punctis lateralibus; alæ hyalinae.*

Dasypogon fulvicornis, Macq. Hist. Nat. Dipt. i. 296, 15.
France.

69. DASYPOGON NIGRIVENTRIS.

Rufo villosus; thorax subcinereus; abdomen apice et subtus atrum; tibiae tarsique postica extus hirsutissima; alæ fumose, costa rufo-testacea.

Dasypogon nigriventris, Léon-Duf. Ann. Sci. Nat. xxx. 216, 8.

Madrid, Spain.

70. DASYPOGON XANTHOTRICHUS.

Fæm. *Niger, rufo pilosus; mystax, antennæ basi, abdomen supra, femora apice, tibiae tarsique rufa; alæ dilute fusca.*

Dasypogon xanthotrichus, Brullt, Expéd. Scient. de Morte, iii. 1, 294, 633, pl. 46, f. 5.

Carithena.

71. DASYPOGON MELALEUCUS.

Niger, albo lanatus; thorax albus, nigro trivittatus; abdomen nigro alboque fasciatum; alæ hyalinae; halteres flavi.

Dasypogon melaleucus, Meig. Zweifl. ii. 281, 38. Macq. Hist. Nat. Dipt. i. 299, 26.

South France.

72. DASYPOGON NUBILUS.

Niger; thorax flavicante hirtus, nigro bivittatus; abdomen maculæ lateralibus et marginibus subcinereis; pedes nigro-picei; alæ fusco nubilæ.

Dasypogon nubilus, Hoffm. Meig. Zweifl. ii. 268, 15.

Portugal.

73. DASYPOGON ELATUS.

Niger; thorax rufus, nigro trivittatus; abdominis latera nigro vittata; tibiae fulva, apice nigra; tarsi basi nigri; ale hyalinae, basi subfuscoc-flavæ; halteres fulvi.

Dasypogon elatus, *Meig. Zweifl.* ii. 275, 26.

Austria.

74. DASYPOGON TRISTIS.

Niger; caput, thorax abdominisque fascia tres ferruginea; pedes fulvi; ale fusca.

Dasypogon tristis, *Meig. Zweifl.* ii. 264, 9.

Hungary.

75. DASYPOGON ALBIBARVIS.

Mas. *Fuscus, hirtus; antennæ et abdomen rufa, hujus latera albido maculata; pedes castaneis, femoribus tibiisque posticis intus nigris; ale flavescente-cinereæ.*

Dasypogon albobarbis, *Macq. Dipt. Exot.* i. 2, 193.

Allied to *D. striatus*, *Fabr.*

Roumelia.

Europe?

76. DASYPOGON CASTANEICORNIS.

Fœm. *Fuscus; antennæ castaneæ; thorax cinereo-fulvus, fusco vittatus; abdomen castaneum, albido fasciatum; pedes fulvi; ale flavescentes.*

Dasypogon castaneicornis, *Macq. Dipt. Exot.* i. 2, 40, 18.

Siberia.

77. DASYPOGON VARIEGATUS.

Niger; abdomen incisuris flavis, segmentis utrinque albo maculatis; pedes rubidi; alæ subflavescentes.

Dasypogon variegatus, *Wied. Zool. Mag.* ii. 32; *Dipt. Exot.* i. 126, 22; *Auss. Zweifl.* i. 396, 48.

Siberia.

South Russia.

78. DASYPOGON PYRRHOMUS.

Saturate flavus; thorax fuscaneo vittatus; abdomen fusco limbatum; alæ flavidocinereæ, ad costam fulvæ.

Dasypogon pyrrhomus, *Wied. Zool. Mag.* ii. 33; *Dipt. Exot.* i. 218, 7; *Auss. Zweifl.* i. 380, 23.

South Russia.

79. DASYPOGON PALLASII.

Niger, cinereo hirtus; abdomen fasciis latis obsolete albidis; pedes flavi, tarsis nigris; alæ basi flavescentes.

Dasypogon Pallasii, *Wied. Auss. Zweifl.* i. 403, 60.

South Russia.

Georgia.

80. DASYPOGON KOLENATI.

Nigricans, rufo pilosus; antennarum articuli duo; pedes et alæ rufa.

Dasypogon Kolenati, *Gimm. Bull. Soc. Imp. Nat. Mosc.* xx. 1847, 3, 159, 5.

Tiflis.

North America.

Div. I. Tibiæ antice calcaratæ.

Group 1.

Corpus magnum, elongatum, fere nudum. Facies plana. Mys-tax setis nonnullis pallidis. Antennarum sat longæ; articuli ius et 2us subæquales, 3us longissime fusiformis, 1o et 2o conjunctim paullo longior.

D. brunneus. Antennarum articulus 3us subclavatus, articulis 1o et 2o conjunctim non longior.

Forks of the cubital vein slightly curved, their base opposite the end of the discal areolet. First and second externo-medial veins proceeding direct to the border; third united to the fourth at some distance from the border. Subanal near the anal on the border. Discal areolet very long, slightly widening outward.

Type D. Herennius.

- | | | |
|----------------------------|-----------|------------------|
| A. Thorax bivittatus. | - - - - - | basalis, Walk. |
| B. Thorax trivittatus. | | |
| A. Femora fulva aut fusca. | | |
| a. Alæ fusce. | - - - - - | Herennius, Walk. |
| b. Alæ limpidæ. | - - - - - | brunneus, Fabr. |
| B. Femora nigra. | - - - - - | politus, Say. |

81. DASYPOGON BASALIS.

Dasypogon basalis, Diptera Saundersiana, Pt. 2, 95.

United States.

82. DASYPOGON HERENNIUS.

Dasypogon Herennius, Cat. of Diptera, 2, 339.

83. DASYPOGON BRUNNEUS.

Thorax subaurarius, nigro vittatus; abdomen ferrugineum, lateribus fuscis, marginibus flavis; pedes fulvi, femoribus tibiisque posticis nonnunquam fuscis; alæ limpidae, apicibus marginibusque posticis subcinereis.

Dasypogon brunneus, *Fabr. Macq. Dipt. Exot.* i. 2, 34, 4.

Philadelphia. Cayenne.

84. DASYPOGON POLITUS.

Fem. Fulvus; antennæ nigrae; thorax fusco vittatus; abdomen scoriaceum; pedes nigri; alæ dimidio apicali fuscae.

Dasypogon politus, *Say, Journ. Acad. Philad.* iii. 52, 5. *Wied. Auss. Zweifl.* i. 405, 63.

Pennsylvania. Maryland.

Group 2.

Corpus mediocre. Caput et thorax pilosa. Caput thorace fere latius. Facies plana. Mystax pilis nonnullis pallidis. Antennarum articulus 1us linearis; 2us subrotundus, 1o multo brevior; 3us arista brevi, 1o et 2o conjunctim multo longior. Abdomen depresso. Tibiae antice calcaribus brevissimis. Alæ maculatae.

Forks of the discal areolet straight, their base very little nearer than the end of the discal areolet to the tip of the wing. First, second, third and fourth externo-medial veins nearly straight, remote from each other on the border. Subanal joining the anal on the border. Discal areolet long and narrow.

85. DASYPOGON AMASTRIS.

Dasypogon Amastris, *Cat. of Diptera*, 2, 362.

Div. II. Tibia antice non calcarata.

Group 3.

Mas. Corpus magnum, elongatum. Caput et thorax hirta. Caput thorace angustius. Facies angusta, vix convexa. Mystax dense setosus, faciei ultra medium ascendens. Antennæ longiusculæ; articulus 1us 2o duplo longior; 3us longi-fusiformis, arista breve; 1o et 2o conjunctum multo longior. Abdomen pubescens. Pedes validi.

Forks of the cubital vein slightly curved, their base a little nearer than the end of the discal areolet to the tip of the wing. First and second externo-medial veins nearly straight; third joining the fourth at some distance from the border. Subanal joining the anal on the border. Discal areolet very long.

86. DASYPOGON SUBULATUS.

Fœm. *Rufo-fuscus, cinereo micans; abdomen rubidum, apice nigrum; pedes rubidi; alæ fuscaneæ.*

Dasyppogon subulatus, Wied.

United States.

Group 4.

Mas. Corpus magnum, elongatum, hirtum. Caput thorace pallio angustius. Facies angusta, valde convexa. Mystax densissime setosus, faciem onnem occupans. Pedes validi. Alæ breviusculæ.

Fore fork of the cubital vein undulating; hind fork nearly straight, inclined towards the first externo-medial, but at some distance from it on the border. First and second externo-medial nearly straight; third inclined towards the fourth, but remote from it on the border. Subanal near the anal on the border. Discal areolet long and narrow.

87. DASYPOGON CALIFORNIÆ.

Dasyppogon Californiæ, Cat. of Diptera, 2, 322.

Group 5.

Enarmostus, Walk. Diptera Saundersiana, Pt. 2, 102.

88. DASYPOGON BIMACULA.

Enarmostus bimacula, Diptera Saundersiana, Pt. 2, 102, pl. 4, f. 1.
North America.

Group 6.

Mas. *Mystax spinis plurimis nigris armatus.* Antennarum articulus 3us sublinearis, 1o et 2o conjunctim fere triplo longior. Abdomen lateribus basi setosis, dimidio basali linearis, apicali subfusiformi. Pedes spinosi.

89. DASYPOGON TRISTIS.

Dasypon tristis, Diptera Saundersiana, Pt. 2, 93.
United States.

Group 7.

Corpus mediocre aut parvum, nigrum, pilosum. Caput thorace vix angustius. Facies valde convexa. *Mystax* densissime hirtus, faciem omnem occupans. Antennæ longæ; articulus 1us 2o longior; 3us sublinearis, arista longiuscula, articulis 1o et 2o conjunctim paullo longior. Pedes validi.

Forks of the cubital vein nearly straight, their base a little nearer than the end of the discal areolet to the tip of the wing. First and second externe-medial veins proceeding straight to the border; third inclined to the fourth, but rather remote from it on the border. Subanal near the anal on the border. Discal areolet hexagonal, rather long.

- A. Abdomen fasciis integris.
 A. Abdomen sexfasciatum. - - - - sexfasciatus, Say.
 B. Abdomen trifasciatum. - - - - trifasciatus, Say.
 B. Abdomen fasciis interruptis.
 A. Alæ limpidæ. - - - - guttula, Wied.
 B. Alæ limpidæ, apice subcinereæ. - - Falto, Walk.
 C. Alæ subcinereæ. - - - - Lutatius, Walk.
 D. Alæ fuscovariæ. - - - - Macerinus, Walk.
 C. Abdomen fasciis nullis. - - - - argenteus, Say.

90. DASYPOGON SEXFASCIATUS.

Más. *Niger*; thorax albido hirtus; abdomen nigrum, albo fasciatum; femora tibiaeque basi subtestacea; alæ subfuscacentes.

Dasypogon sexfasciatus, Say.

Missouri.

91. DASYPOGON TRIFASCIATUS.

Nigellus, thoracis, latera albo pruinosa; abdomen nigrum, fasciæ apiceque albis; alæ subcinereo-fuscescentes.

Dasypogon trifasciatus, Say, Journ. Acad. Philad. iii. 51, 3. Wied. Auss. Zweifl. i. 405, 64.

Pennsylvania. Maryland.

92. DASYPOGON GUTTULA.

Fœm. *Niger*, nitens; thorax macula humerali alba; alæ limpidæ.

Dasypogon guttula, Wied.

United States.

93. DASYPOGON FALTO.

Dasypogon Falto, Cat. of Diptera, 2, 355.

94. DASYPOGON LUTATIUS.

Dasypogon Lutatus, *Cat. of Diptera*, 2, 357.

95. DASYPOGON MACERINUS.

Dasypogon Macerinus, *Cat. of Diptera*, 2, 356.

96. DASYPOGON ARGENTEUS.

Fem. *Niger, niveo pruinosis et hirtus; palpi, alæ et halteres dilutiissime silacea.*

Dasypogon argenteus, *Say*.

Pennsylvania. Maryland.

Group —?

- | | | |
|----------------------|-----------|-----------------------------------|
| A. Alæ nigrae. | - - - - - | <i>Eacus</i> , <i>Wied.</i> |
| B. Alæ fuscæ. | - - - - - | <i>abdominalis</i> , <i>Say</i> . |
| C. Alæ flavescentes. | | |
| A. Femora fulva. | - - - - - | <i>cruciatus</i> , <i>Say</i> . |
| B. Femora nigra. | - - - - - | <i>albiceps</i> , <i>Macq.</i> |
| D. Alæ subhyalinæ. | - - - - - | <i>rufescens</i> , <i>Macq.</i> |

97. DASYPOGON EACUS.

Fem. *Niger; abdomen aurantiacum, basi apice lateribusque nigris; alæ nigrae.*

Asilus abdominalis, *Say*, *Long's Exped. to St. Peter's River, Append.* 375.

Dasypogon Eacus, *Wied. Auss. Zweifl.* 390, 37.

Pennsylvania.

98. DASYPOGON ABDOMINALIS.

Flavus; antennæ nigrae; thorax glaucus, fuscō vittatus; alae fuscae.

Dasypogon abdominalis, *Say, Journ. Acad. Philad.* iii. 50, 2
Wied. Auss. Zweifl. i. 412, 75.

Pennsylvania.

99. DASYPOGON CRUCIATUS.

Nigro-fuscus; thorax margine orichalceo; abdomen maculæ fasciisque orichalceis; pedes fulvescentes; alæ flavæ post basim limpidiiores.

Dasypogon cruciatus, *Say, Journ. Acad. Philad.* iii. 52, 6. *Wied.*
Auss. Zweifl. i. 381, 24.

Pennsylvania.

100. DASYPOGON ALBICEPS.

Fæm. *Caput album; thorax cinereus, vittis nigris; abdomen nigrum, albo fasciatum; pedes nigri, tibiis fulvis; alæ sub flavescentes.*

Dasypogon albiceps, *Macq. Dipt. Exot. Suppl.* 1, 69, 51.
Texas.

101. DASYPOGON RUFESCENS.

Testaceus; facies et antennæ fulvae; mystax flavus; thorax vittæ tribus nigris, media divisa; abdominis latera albo pubescentia nigroque maculata; alæ subhyalinae, venis externo-mediis 3^a et 4^a conjunctis.

Dasypogon rufescens, *Macq. Hist. Nat. Dipt.* i. 295, 8.
Philadelphia.

Mexico.

Group 1.

Corpus maximum, elongatum, pubescens. Caput thorace paullo angustius. Facies plana. Mystax setis paucis apud epistoma armatus. Antennæ sat longæ; articulus 1us 2o longior; 3us linearis, arista vix ulla, 1o et 2o conjunctum multo longior. Thoracis latera setosa. Abdomen apice spinosum. Pedes validi.

Microstylum, p., Macq. Dipt. Exot. i.

Forks of the cubital vein slightly curved, their base very little nearer than the end of the discal areolet to the tip of the wing. First and second externo-medial veins proceeding straight to the border; third united to the fourth at some distance from the border. Subanal near the anal on the border. Discal areolet very long, widening outward.

102. DASYPOGON MAGNIFICUS.

Fœm. Ater; facies alba, nitens; abdomen rufum; onychia testacea; alæ fuscae, basi nigro-fuscae.

Fem. Deep black. Face white, shining. Mystax with black bristles. Abdomen deep red; tip with black spines. Onychia testaceous. Wings brown, blackish brown at the base; disks of the areolets gray; veins tawny, piceous towards the base. Halteres testaceous. Length of the body 15 lines; of the wings 28 lines.

a. Mexico. Presented by Mrs. Rouquette.

Group — ?

- A. Tibiæ antice calcaratæ. Group Dasypogon, Loew.?
nigripennis, Macq.
- B. Tibiæ antice non calcaratæ.
 - A. *Mystax albus.* - - - - dimidiatus, Macq.
 - B. *Mystax flavescens aut fulvus.*
 - A. Abdomen fasciis fulvis. - - - mexicanus, Macq.
 - B. Abdomen incisuris albidis. - - - nigritarsis, Macq.

103. DASYPOGON NIGRIPENNIS.

Fœm. *Niger*; *alæ nigro-violaceæ*.

Dasyppogon nigripennis, *Macq. Dipt. Exot. Suppl.* 2, 34, 56, pl. 1, f. 6.

104. DASYPOGON DIMIDIATUS.

Mas. *Niger*; *abdomen albo maculatum*; *pedes fulvi*, *tibiae apice tarsique nigra*; *alæ dimidio costali fuscæ*.

Dasyppogon dimidiatus, *Macq. Dipt. Exot. Suppl.* 2, 35, 56.

105. DASYPOGON MEXICANUS.

Mas. *Niger*; *mystax fulvus*; *thorax vittis duabus testaceis*; *abdomen fulvo-fasciatum*; *pedes flavi*, *femoribus basi nigris*; *alæ fuscæ*, *costa fulva*.

Dasyppogon mexicanus, *Macq. Dipt. Exot. Suppl.* 1, 68, 49, pl. 6, f. 10.

106. DASYPOGON NIGRITARSIS.

Mas. *Niger*; *mystax flavidus*; *abdomen incisuris albidis*; *pedibus testacei*, *femoribus nigro cinctis*, *tibiis apice tarsiisque nigris*.

Dasyppogon nigritarsis, *Macq. Dipt. Exot. Suppl.* 1, 68, 50.

West Indies.

107. DASYPOGON LINEATUS.

Ferrugineus; *thorax vittis tribus nigris*; *alæ fuscæ*, *medio flavæ*.

Asilus lineatus, *Fabr. Spec. Ins.* ii. 465, 28; *Ent. Syst.* iv. 386, 47.

Dasyppogon lineatus, *Fabr. Syst. Anil.* 167, 13. *Wied. Dipt. Exot.* i. 221, 12; *Auss. Zweifl.* i. 385, 29.

West Indies.

108. DASYPOGON ANGUSTUS.

Mas. *Mystax, antennae et pedes fulva; thorax testaceus, vittis fuscis; abdomen fuscum, fasciis fulvis; alæ rubiginosaæ.*

asypogon angustus, Macq. Dipt. Exot. Suppl. 3, 20, 59, pl. 1, f. 11.

.. Domingo.

South America.

Div. I. Tibiæ anticæ calcaratæ.

Group 1.

Statura robusta. Corpus et pedes dense hirta. *Mystax setis longis nigris. Alarum vena externo-media 3a apicem versus flexa, aque ante hujus apicem conjuncta; subanalis et analis ad marginem conjunctæ.*

Morimnia, Walk. Diptera Saunderriana, Pt. 2, 104.

109. DASYPOGON MALLEOPHOROIDES.

Morimnia malleophoroides, Diptera Saunderriana, Pt 2, 104, pl. 4, f. 2.

Colombia.

110. DASYPOGON TRANSIENS.

Dasypogon transiens, Cat. of Diptera, 2, 364.

Group 2.

Corpus maximum, parce setosum. Caput thorace paullo angustius. Facies subconvexa, nuda. *Mystax setis nonnullis apud spistoma. Antennarum articuli 1us et 2us setosi; 3us lanceolatus, basi supra hirtus, 1o et 2o conjunctim multo longior. Pedes obusti, setosi. Tibiæ anticæ calcaribus parvis. Alarum vena xterno-media 3a apicem versus flexa, 4aque ante hujus apicem conjuncta; subanalis et analis at marginem conjunctæ.*

- A. *Mystax albus*. - - - - - *rapax*, Walk.
 B. *Mystax niger*. - - - - - *melanogaster*, Wied.

111. DASYPOGON RAPAX.

Dasypogon rapax, *Diptera Saundersiana*, Pt. 2, 88.

112. DASYPOGON MELANOGASTER.

Ochraceo-fuscus; *abdomen atrum*; *albo fasciatum*; *pedes badius*; *alæ flavescentes*.

Dasypogon melanogaster, Wied. *Macq. Dipt. Exot.* i. 2, 35, 5.
 Brazil.

Group 4.

Corpus gracile, sæpiissime fulvum aut testaceum. Caput breve, thorace paullo latius; frons et facies plana. *Mystax rarus*, setis nonnullis albis apud peristoma. Antennarum articulus 1us linearis, 2us brevis, obconicus; 3us fusiformis, 1o et 2o conjunctim æqualis aut multo longior. Sexualia parva. Femora et tibiæ parce setosa; unguis mediciores; onychia parva; tibiæ anticæ calcaribus minimis.

Eyes flat in front, where the facets are much larger than those elsewhere. Forks of the cubital vein nearly straight, their base opposite the tip of the discal areolet. First and second extero-medial veins proceeding direct to the border; third angular, and connected with the fourth at some distance from the border. Sub-anal very nearly connected with the anal on the border.

A. Alæ fuscæ.

- | | |
|--|------------------|
| A. <i>Abdomen ferrugineum</i> . - - - - - | Duillius, Walk. |
| B. <i>Abdomen piceum</i> . - - - - - | |
| A. <i>Alæ non vittatae</i> . - - - - - | testaceus, Fabr. |
| B. <i>Alæ vitta limpida</i> . - - - - - | insertus, Walk. |
| B. <i>Alæ pallide fuscanæ venis flavidæ limbatis</i> . - - - - - | castaneus, Macq. |
| C. <i>Alæ subfulvæ aut flavescentes</i> . - - - - - | |

A. Antennæ nigrae.		
B. Antennæ fulvae. - - - - -	Eburnus, <i>Walk.</i>	
A. Abdomen cinereum. - - - - -	Ædon, <i>Walk.</i>	
B. Abdomen flavum. - - - - -	rufiventris, <i>Wied.</i>	
D. Alæ flavidæ, apice fuscaneæ. - - - - -	rufipalpis, <i>Macq.</i>	
E. Alæ subflavescentes, apice cinereæ. - - - - -	Winthemi, <i>Wied.</i>	
F. Alæ miniatæ, apice fuscaæ. - - - - -	Lucifer, <i>Wied.</i>	
G. Alæ cinereæ.		
A. Abdomen non fasciatum. - - - - -	castigans, <i>Walk.</i>	
B. Abdomen fasciis nigris. - - - - -	- miser, <i>Walk.</i>	
A. Thorax nigro vittatus. - - - - -		
B. Thorax non vittatus. - - - - -	examinans, <i>Walk.</i>	
H. Alæ limpidae. - - - - -	inclusus, <i>Walk.</i>	

113. DASYPOGON DUILLIUS

Dasypogon Duillius, *Cat. of Diptera*, 2, 340.

114. DASYPOGON TESTACEUS.

Ferrugineus; *abdomen apicem versus sensim fuscescens*; *alæ fuscaæ*.

Dasypogon testaceus, *Fabr. Syst. Antl.* 167, 15. *Wied. Dipt. Exot.* i. 222, 13; *Auss. Zweifl.* i. 386, 30.

South America.

115. DASYPOGON INSERTUS.

Dasypogon insertus, *Diptera Saundersiana*, Pt. 2, 94.

Pará.

116. DASYPOGON CASTANEUS.

Fœm. *Ferrugineus*; *antennæ et pedes fulva*; *thorax vittis tribus fuscaneis*; *abdomen castaneum*; *alæ pallide fuscaneæ, venis flavido limbatis*.

Dasypogon castaneus, *Macq. Dipt. Exot.* i. 2, 35, 6.

Brazil.

117. DASYPOGON *AEDON*.

Dasypogon Aedon, *Cat. of Diptera*, 2, 343.

118. DASYPOGON *BUFIVENTRIS*.

Fœm. *Nigellus*; *thorax vittis atris*; *abdomen et pedes saturate flava*; *alæ flavescentes*.

Dasypogon rufiventris, *Wied. Dipt. Exot.* i. 223, 16; *Auss. Zweifl.* i. 388, 33.

South America.

119. DASYPOGON *EBURNUS*.

Dasypogon Eburnus, *Cat. of Diptera*, 2, 332.

120. DASYPOGON *RUFIPALPIS*.

Mas. *Ferrugineus*; *thorax vittis tribus nigris abbreviatis*; *abdomen fuscum, fulvo annulatum*; *antennæ et pedes fulvi*; *alæ flavidae, apice fuscaneæ*.

Dasypogon rufipalpis. *Macq. Dipt. Exot.* i. 2, 38, 13, pl. 3, f. 2.
Cayenne?

121. DASYPOGON *WINTHEMI*.

Fœm. *Ferrugineus*; *thorax orichalceus, vittis tribus nigris*; *alæ flavidae*.

Dasypogon Wintthemi, *Wied.*

South America.

122. DASYPOGON *LUCIFER*.

Fœm. *Niger*; *antennæ saturate flavæ*; *thorax albo notatus*; *alæ miniatæ, apice fuscae*.

Dasypogon Lucifer, *Wied. Auss. Zweifl.* i. 388, 34.
Monte Video.

123. DASYPOGON CASTIGANS.

asypogon castigans, *Diptera Saundersiana*, Pt. 2, 89.

124. DASYPOGON MISER.

Mas. *Fulvus*; *antennæ nigrae*, *articulis 1o 2oque subtus fulvis*,
3o longissimo; *thorax vittis tribus nigris*; *abdomen fasciis*
maculisque nigris; *femora postica nigro strigata*; *genua pos-*
teriora tarsique nigricantia; *alæ subcinereæ*.

Male. Tawny. Head testaceous; vertex black; face with shining white tomentum. Proboscis and palpi blackish towards the ps. Antennæ black; first and second joints tawny beneath; third very much longer than the first and the second together. Thorax with three black stripes, which are dilated in front, interrupted in the middle, and attenuated hindward; the middle one deeply interrupted. Abdomen with black bands, which on the second and third segments are interrupted, and reduced to spots or dots. Hind or hinder femora slightly streaked with black; tarsi and hinder knees mostly black. Wings slightly grayish, with an indistinct pale brownish tinge along the basal half of the costa; veins lack, tawny at the base. Halteres testaceous. Length of the body 4—4½ lines; of the wings 6—7 lines.

b. Rio Tapayos, Brazil. From Mr. Bates' collection.

125. DASYPOGON EXAMINANS.

asypogon examinans, *Diptera Saundersiana*, Pt. 2, 90.
ara.

126. DASYPOGON INCLUSUS.

asypogon inclusus, *Diptera Saundersiana*, Pt. 2, 95.
ara.

Group —?

A. Thorax niger.

A. Alæ non maculatæ.

A. Abdomen nigrum.

a. Alæ violaceæ. - - - - - Gayi, Macq.

b. Alæ rufescentes.

i. Pedes nigri. - - - - - Lebasii, Macq.

ii. Pedes rufi. - - - - - pumilus, Macq.

c. Alæ flavæ. - - - - - flavipennis, Macq.

d. Alæ cinereæ. - - - - - crassitarsis, Macq.

B. Abdomen cupreо-nigrum. - - - lugubris, Macq.

c. Abdomen nigrum, lateribus posticis fulvis. breviventris, Macq.

D. Abdomen rufum. - - - - - fallax, Macq.

E. Abdomen testaceum. - - - - - fraternus, Macq.

B. Alæ maculatæ.

B. Thorax cinereus, fusco vittatus. - - longiungulatus, Macq.

C. Thorax fuscans, fusco vittatus. - - grandis, Macq.

127. DASYPOGON GAYI.

Niger; abdomen alæque violacea; tibiae fulvæ.

Dasypogon Gayi, Macq. Dipt. Exot. i. 2, 37, 11.

Chili.

128. DASYPOGON LEBASII.

Mas. Niger; mystax densus, flavidus; alæ rufescentes, venis fusco limbatis.

Dasypogon Lebasii, Macq. Dipt. Exot. i. 2, 38, 12.

Colombia.

129. DASYPOGON PUMILUS.

Fœm. Niger; pedes rufi, femoribus supra nigris; alæ rufescentes.

Dasypogon pumilus, Macq. Dipt. Exot. i. 2, 37, 10.

Brazil.

130. DASYPOGON FLAVIPENNIS.

Fœm. *Ater; mystax albidus; antennæ basi, abdominis apex pedesque fulva; thoracis latera testacea; alæ flavæ.*

Dasypogon flavipennis, Macq. Dipt. Exot. Suppl. 1, 64, 42, pl. 7, f. 4.

New Grenada. Temperate Region.

131. DASYPOGON CRASSITARSIS.

Mas. *Niger; facies et mystax alba; thorax albido subvittatus; anus albidus; pedes obscure rufi, tarsi crassis; alæ cinereæ.*

Dasypogon crassitarsis, Macq. Dipt. Exot. i. 2, 36, 8.

Brazil.

132. DASYPOGON LUGUBRIS.

Fœm. *Crassus, hirsutus, ater; abdomen cupreo-nigrum; alæ fuscæ.*

Dasypogon lugubris, Macq. Dipt. Exot. Suppl. i. 64, 41.

New Grenada.

133. DASYPOGON BREVIVENTRIS.

Niger; antennæ fuscæ; abdomen postice fulvo marginatum; pedes fulvi; alæ hyalinæ, basi maryneque postico subfuscacentibus.

Dasypogon breviventris, Macq. Dipt. Exot. Suppl. 3, 21, 61, pl. 1, f. 13.

Rio Negro.

134. DASYPOGON FALLAX.

Fœm. *Crassus, hirsutus, ater; abdomen rufum, apice nigrum; alæ fuscæ.*

Dasypogon fallax, Macq. Dipt. Exot. Suppl. 1, 63, 40, pl. 7, f. 5.

New Grenada. Temperate Region.

This species seems to be nearly allied to *D. transiens*.

135. DASYPOGON FRATERNUS.

Fœm. *Niger; mystax albus; abdomen testaceum, basi apiceque nigris, punctis lateralibus albis; alæ venis externo-medialis 3æ 4aque ad marginem conjunctis.*

Dasypogon fraternus, Macq. Dipt. Exot. Suppl. 1, 63, 39.

Brazil.

136. DASYPOGON MACULIPENNIS.

Mas. *Niger; thorax cinereo vittatus; alæ subcinereæ, fuscæ maculatae.*

Dasypogon maculipennis, Macq. Dipt. Exot. i. 2, 37, 9, pl. 3, f. 8.

Brazil.

137. DASYPOGON LONGIUNGULATUS.

Fœm. *Fuscanus; thorax cinereus fusco vittatus; abdomen fasciæ dorsali nigra; pedes testacei, unguibus elongatis.*

Dasypogon longiungulatus, Macq. Dipt. Exot. i. 2, 36, 7.

Brazil.

138. DASYPOGON GRANDIS.

Mas. *Niger; mystax albus; antennæ articulo 3o subtus testaceæ; thorax fuscanus, vittis fuscis; tibie anticæ femoraque testacea; alæ fuscanæ.*

Dasypogon grandis, Macq. Dipt. Exot. Suppl. 1, 63, 38, pl. 6, f. 8.

Brazil.

Div. II. Tibiæ anticæ non calcaratæ.

Group 1.

Mystax rarus. Alarum vena externo-media 3a 4aque longæ ab alæ marginem connexæ; illa rectangulata.

Prolepsis, Diptera Saundersiana, Pt. 2, 101.

139. DASYPOGON FUMIFLAMMA.

Prolepsis fumiflamma, *Diptera Saundersiana*, Pt. 2, 100, pl. 3, f. 6.
Brazil.

Group 2.

Mas. Corpus mediocre, sublineare, sere nudum. Caput thorace non latius; facies convexa. Mystax rarus, setis nonnullis apud peristoma. Antennæ breves, graciles; articulus 1us linearis; 2us subclavatus, lo vix brevior; 3us lanceolatus, lo et 2o contractum aequalia. Abdomen cylindricum. Sexualia parva. Pedes gracilis; femora et tibiae vix setosa; tarsi longi; unguis et onychia parva.

Male. Eyes convex, except a very small part in front, which is flat and composed of large facets. Forks of the cubital vein nearly straight, their base a little nearer than the tip of the discal areolet to the tip of the wing. First and second externo-medial veins proceeding direct to the border; third inclined towards the fourth, but at some distance from it on the border. Subanal nearly connected with the anal on the border.

140. DASYPOGON TRIPARTITUS.

Mas. *Cerrinus*; *caput subtus nigrum*; *antennæ et pedes fulva*; *thorax vittis tribus latis fuscis*; *abdomen nigricans, apicem versus rufum*; *ala cinerea*.

Male. Fawn colour. Head shining, black beneath. Mystax with whitish spines. Proboscis black. Palpi and antennæ tawny. Thorax with three broad brown stripes; side pair shortened in front. Abdomen blackish, hoary beneath and on each side; apical third part red. Legs tawny; tibiae with a few minute white bristles; unguis black. Wings gray; veins black, tawny at the base. Halteres pale testaceous. Length of the body $3\frac{1}{2}$ lines; of the wings 7 lines.

In one wing of the specimen described the veinlet between the cubital vein and the first externo-medial is double.

a. Santarem, Brazil. From Mr. Bates' collection.

Group —?

A. Alæ non maculatæ.

A. Tarsi basi non albi.

a. Alæ nigrae. - - - - hirtipes, Macq.

b. Alæ fuscæ aut ferrugineæ.

a. Thorax niger.

i. Pedes nigri. - - - - rufipennis, Macq.

ii. Pedes testacei.

* Femora nigra. - - - - rubiginipennis, Macq.

** Femora testacea. - - - - Bonariensis, Macq.

b. Thorax nigro-fuscus, lateribus soutelloque testaceis.

fuscipennis, Macq.

c. Thorax fulvus.

i. Thorax nigro vittatus. - - - - dorsalis, Macq.

ii. Thorax vittis testaceo-fuscescentibus. - - - - longipes, Macq.

d. Thorax testaceus, fusco vittatus. - - - - fasciatus, Macq.

c. Alæ subcinereæ.

fulvicornis, Macq.

d. Alæ hyalinæ.

candidus, Macq.

B. Tarsi basi albi. - - - - albitarsis, Macq.

B. Alæ maculatæ. - - - - punctipennis, Macq.

141. DASYPOGON HIRTIPES.

Mas. *Niger*; *thorax apice scutellumque albida*; *pedes hirsuti*; *alæ nigrae*.

Dasypogon hirtipes, Macq. Dipt. Exot. i. 2, 46, 31.

Chili.

142. DASYPOGON RUFIPENNIS.

Fœm. *Niger*; *antenna fulva*, *basi nigra*; *alæ ferrugineæ*.

Dasypogon rufipennis, Macq. Dipt. Exot. i. 2, 45, 28.

Brazil.

143. DASYPOGON RUBIGINIPENNIS.

œm. *Niger, rufotomentosus; pedes testacei, femoribus nigris; alæ rubiginosæ.*

*ypogon rubiginipennis, Macq. Dipt. Exot. i. 2, 45, 29.
zil.*

144. DASYPOGON BONARIENSIS.

Ias. *Niger; thoracis scapulae vittaureo pubescentes; abdominis incisuræ apice aureæ; pedes testacei; alæ fuscæ, postice fuscaneæ.*

*ypogon Bonariensis, Macq. Dipt. Exot. i. 2, 194.
enos Ayres.*

145. DASYPOGON FUSCIPENNIS.

Œm. *Nigro-fuscus; frons nigra; facies fusca; thoracis latera et scutellum testacea; abdomen basim versus subcontractum, segmentis quatuor apicalibus nonnunquam nigris; pedes testacei; alæ fuscæ, margine postico ad partem maculisque duabus pallide flavescentibus.*

*ypogon fuscipennis, Macq. Hist. Nat. Dipt. i. 294, 6.
enne.*

146. DASYPOGON DORSALIS.

œm. *Fulvus; mystax albus; thorax nigro vittatus; abdominis latera et apex fusca; alæ flavidae, apice fuscaneæ.*

*ypogon dorsalis, Macq. Dipt. Exot. Suppl. 3, 20, 60, pl. 1,
f. 12.*

Negro.

147. DASYPOGON LONGIPES.

Fulvus; abdominis incisuræ nigrae; tibiæ intermediae longæ, simplices; alæ fusco-flavæ.

Microstylum longipes, Macq. Dipt. Exot. i. 2, 30, 8, pl. 2, f. 4.
Brazil.

148. DASYPOGON FASCIATUS.

Testaceus; frons, facies, mystax et antennæ pallide fulva; thorax fusco vittatus; abdominis segmenta fusco-fasciata; alæ fuscæ, basi flavescentes, venis externo-mediis 3a et 4a conjunctis.

Dasypogon fasciatus, Macq. Hist. Nat. Dipt. i. 295, 9.
Cayenne.

149. DASYPOGON FULVICORNIS.

Mas. Niger; antennæ fulvæ, basi nigrae; thorax cinereus, vittis tribus nigris; tibiæ tarsique anteriora testacea; alæ subcinereæ.

Dasypogon fulvicornis, Macq. Dipt. Exot. Suppl. 1, 67, 47, pl. 7, f. 1.
Brazil.

150. DASYPOGON CANDIDUS.

Mas. Candidus; antennæ pedesque nigrae; abdominis segments 3um, 6um, 7umque fusca; alæ hyalinæ.

Dasypogon candidus, Macq. Dipt. Exot. Suppl. 1, 67, 48.
Vera Cruz.

151. DASYPOGON ALBITARSIS.

Fœm. Ater, gracilis; mystax albus; thorax lineis albis; tibiæ basi albi; alæ elongatæ, angustæ, margine fusco.

Dasypogon albitarsis, Macq. Dipt. Exot. Suppl. 1, 66, 46, pl. 7, f. 7.
Brazil.

152. DASYPOGON PUNCTIPENNIS.

Fæm. Ater, tibiæ tarsiæ anteriora testacea; alæ subhyalinæ, fusco punctatae.

Dasypon punctipennis, *Macq. Dipt. Exot.* i. 2, 46, 30.
Chili.

Div. —?

- | | | |
|---|-------------------------|---------------------------|
| A. Alæ nigrae. | - - - - - | Satanas, <i>Wied.</i> |
| B. Alæ fuscæ. | | |
| A. Thorax chalybeus. | - - - - - | aurarius, <i>Wied.</i> |
| B. Thorax ferrugineus. | - - - - - | cædens, <i>Wied.</i> |
| C. Thorax niger. | | |
| A. Thorax vittatus. | | |
| a. Abdomen totum nigrum. | - - - | caienensis, <i>Fabr.</i> |
| b. Abdomen basi rufum. | - - - | semirufus, <i>Wied.</i> |
| B. Thorax non vittatus. | | |
| a. Abdomen apice rubidum. | - - - | birtuosus, <i>Wied.</i> |
| b. Abdomen totum nigrum. | - - - | caminarius, <i>Wied.</i> |
| D. Thorax ochraceus. | - - - - - | aberrans, <i>Wied.</i> |
| C. Alæ flavescentes. | | |
| A. Thorax niger, vittis pallidis. | | |
| A. Alæ apice fuscæ. | | |
| a. Abdomen fasciatum. | | |
| i. Antennæ nigrae. | - - - - - | ornatus, <i>Wied.</i> |
| ii. Antennæ flavæ. | - - - - - | mundatus, <i>Wied.</i> |
| b. Abdomen non fasciatum. | - - - - - | capnopterus, <i>Wied.</i> |
| B. Alæ omnino flavescentes. | - - - - - | flavipennis, <i>Wied.</i> |
| B. Thorax fuscus aut auratus. | | |
| A. Pedes nigri. | - - - - - | coffeatus, <i>Wied.</i> |
| B. Pedes badii aut rufescentes. | | |
| a. Abdomen nigrum, maculis auratis. | - - - - - | intactus, <i>Wied.</i> |
| b. Abdomen fuscum. | - - - - - | reticulatus, <i>Fabr.</i> |
| c. Abdomen rubidum. | | |
| i. Antennarum articulus 3us dilatatus. | equestris, <i>Wied.</i> | |
| ii. Anteunarum articulus 3us non dilatatus. | Miles, <i>Wied.</i> | |
| D. Alæ limpidæ. | | |
| A. Alæ apice fuscæ. | | |
| A. Thorax niger, lateribus fulvis. | - - - - - | rutilus, <i>Wied.</i> |
| B. Thorax rufus, vittis nigris. | - - - - - | ardens, <i>Wied.</i> |

- B.* Alæ apud costam fuscæ. - - - fuliginosus, *Wied.*
C. Alæ basi fuscæ. - - - coriaceus, *Wied.*
D. Alæ omnino limpidae.
 a. Thorax flavidus.
 a. Thorax vittis nigris. - - - necans, *Wied.*
 b. Thorax vittis fuscæ. - - - vittatus, *Wied.*
 b. Thorax albidus, vittis rubidis. - - - tessellatus, *Wied.*

153. DASYPOGON SATANAS.

Mas. *Ater; alæ nigrae, apice et litura ad marginem internum flavidis.*

Dasypogon Satanas, Wied. Auss. Zweifl. i. 401, 56.
Monte Video.

154. DASYPOGON AURARIUS.

Niger; thorax chalybeus, fulvo hirtus; abdomen pilis densis appressis aurarius; alæ subfuscæscentes.

Dasypogon aurarius, Wied. Dipt. Exot. i. 229, 29; *Auss. Zweifl.* i. 410, 71.

Brazil.

155. DASYPOGON CÆDENS.

Mas. *Ferruginoso-fuscæ; antennæ flavo-fuscæ; abdomen longum, apice nigrum; pedes lutei, tibiis posticis nigro-fuscæ; alæ fuscæ.*

Dasypogon cædens, Wied. Auss. Zweifl. i. 584, 19.
Brazil.

156. DASYPOGON CAIENNENSIS.

Niger; thorax vitta media orichalcea fusco divisa, lateribus scutello et metathorace orichalceis; alæ fuscæ.

Asilus cayennensis, Fabr. Mant. Ins. ii. 360, 32; *Ent. Syst.* iv. 386, 45.

Laphria cajennensis, *Fabr. Syst. Antl.* 162, 25.

Dasypteron cainensis, *Wied. Dipt. Exot.* i. 220, 12; *Auss. Zweifl.* i. 383, 27.

Cayenne.

157. DASYPOGON SEMIRUFUS.

Niger; *thorax vittis duabus flavis*; *abdomen basi rufum*; *alæ fuscæ*, *basi ad costam flavæ*.

Dasypteron semirufus, *Wied. Auss. Zweifl.* i. 393, 42.

Brazil.

158. DASYPOGON HIRTUOSUS.

Niger, *flavido hirtus*; *abdomen incisuris anoque rubidis*; *alæ subfuscescentes*.

Dasypteron hirtuosus, *Wied. Dipt. Exot.* i. 227, 25; *Auss. Zweifl.* i. 402, 59.

Brazil.

159. DASYPOGON CAMINARIUS.

Niger; *thorax fuliginosus*; *abdomen basi fuscum*; *pedes picei*, *femoribus apice tarsisque ochraceo-fuscis*; *alæ fuscæ*.

Dasypteron caminarius, *Wied. Auss. Zweifl.* i. 585, 20.

Brazil.

160. DASYPOGON ABEBRANS.

Ochraceus, *mystax albus*; *thorax orichalceo micans*, *vittis tribus ochraceo-fuscis*; *abdominis incisuræ flakescentes*; *alæ subfuscescentes*.

Dasypteron aberrans, *Wied. Auss. Zweifl.* 389, 35.

South America.

161. DASYPOGON ORNATUS.

Ater; thorax vittis tribus albidis; alæ flavidæ, apice fuscana.
Mas.—Abdomen atrum, fasciis duabus lateribusque albidu.
Fœm.—Abdomen testaceum, basi atrum.

Laphria ornata, *Wied. Zool. Mag.* iii. 49, 13.
Dasypogon ornatus, Wied. Dipt. Exot. i. 222, 14; *Auss. Zweifl.* i. 386, 31.

Brazil.

162. DASYPOGON MUNDATUS.

Fœm. Niger; antennæ fusco-flavæ; thorax vittis tribus flavis;
abdominis segmenta flavo fasciata; pedes flavidæ, tarsorum
articulis apice nigris.

Dasypogon mundatus, Wied. Auss. Zweifl. i. 569, 56.

Brazil.

163. DASYPOGON CAPNOTERUS.

Niger; thorax vittis antice flavis postice canis; alæ flavidæ, costa
apiceque infumatis; tarsi basi fusi.

Dasypogon capnoterus, Wied. Auss. Zweifl. i. 376, 15.

Monte Video.

164. DASYPOGON FLAVIPENNIS.

Mas. Niger; thorax vittatus, interstitiis luteis; abdominis inci-
suræ intermediae flavescentes; pedes antice fuscano-luti,
superne fusi; alæ flavescentes.

Dasypogon flavipennis, Wied. Auss. Zweifl. i. 376, 16.

Brazil.

165. DASYPOGON COFFEATUS.

Mas. Ferrugineo-fuscus; abdomen nigrum, fasciis schistaceis;
pedes nigri; alæ flavæ.

Dasypogon coffeatus, Wied. Zool. Mag. iii. 49, 12; *Dipt. Exot.* i. 217, 5; *Auss. Zweifl.* i. 374, 12.

Brazil.

166. DASYPOGON INTACTUS.

Thorax auratus, fuscano vittatus; abdomen nigrum, incisuris maculisque utrinque trigonis auratis; pedes ferruginosi; alæ flavescentes, apice subfuscantes.

Dasypogon intactus, Wied. Auss. Zweifl. i. 371, 9.

South America.

167. DASYPOGON RETICULATUS.

Mas. Fuscus; thorax ferrugineo lineatus; abdomen fasciis glabris cinerascentibus; pedes rufescens; alæ flavescentes.

Laphria reticulata, Fabr. Syst. Anil. 160, 19.

Dasypogon reticulatus, Wied. Dipt. Exot. i. 212, 6; Auss. Zweifl. i. 378, 20.

South America.

168. DASYPOGON EQUESTRIS.

Fœm. Rubidus; antennæ articulo 3o dilatato; thorax orichalceus, fusco vittatus; abdomen utrinque fuscum et orichalceum, apice croceum; pedes badii; alæ subflavescentes, apice subcinereæ.

Dasypogon equestris, Wied. Auss. Zweifl. i. 392, 41.

Brazil.

169. DASYPOGON MILES.

Fœm. Rubidus; thorax fulvidus, vittis rubidis; alæ subflavescentes, apice subcinereæ.

Dasypogon Miles, Wied. Auss. Zweifl. i. 393, 43.

Brazil.

170. DASYPOGON RUTILUS.

Niger; thoracis latera abdominisque maculae laterales fulva; pedes subferruginei; alæ limpidae, apice subfuscantes.

Dasypogon rutilus, Wied. Dipt. Exot. i. 231, 32; Auss. Zweifl. i. 370, 6.

Brazil.

171. DASYPOGON ARDENS.

Fœm. *Rufus, fulvo pilosus ; thorax vittis nigris ; abdomen basi nigrum ; alæ apice maryneque fuscescentibus.*

Dasypogon ardens, Wied. Auss. Zweifl. i. 391, 39.

Brazil.

172. DASYPOGON FULIGINOSUS.

Mas. *Fuliginosus ; abdomen nigrum, basi fuscum ; pedes nigro-picei, tibiis ochraceo-fuscescentibus ; alæ apud costam fuscae.*

Dasypogon fuliginosus, Wied. Dipt. Exot. i. 208, 8 ; Auss. Zweifl. i. 380, 22.

Brazil.

173. DASYPOGON CORIACEUS.

Coriaceus ; thorax vittis latissimis fuscis ; abdomen fuscum, fascia coriacea ; alæ basi fuscæ.

Dasypogon coriaceus, Wied. Dipt. Exot. i. 230, 30 ; Auss. Zweifl. i. 411, 73.

Brazil.

174. DASYPOGON NECANS.

Mas et Fœm. *Flavidus ; antennæ rufescentes ; thorax vittis tribus nigris ; abdomen vitta lata nigra ; pedes fuscii ; ale limpidae.*

Dasypogon necans, Wied. Auss. Zweifl. i. 392, 40.

Brazil.

175. DASYPOGON VITTATUS.

Mas. *Flavidus ; caput ferrugineum ; thorax fusco vittatus ; abdomen cinerascens, nigro vittatum ; pedes fusciani ; ale limpissimæ.*

Dasypogon vittatus, Wied. Auss. Zweifl. i. 389, 36.

Monte Video.

176. DASYPOGON TESSELLATUS.

Mas. *Albidus*; *thorax vittis quinque rubidis*; *abdomen fuscaneo tessellatum*; *pedes ferruginei*; *alæ limpidissimæ*.

Dasypogon tessellatus, *Wied. Auss. Zweifl.* i. 390, 38.
onte Video.

Africa.

Div. I. *Tibiæ antice apice calcaratæ*.

Group 1.

Corpus gracile, fere nudum. Caput thorace vix latius. Frons plana, nuda, mystax setis duabus apud epistoma. Pedes validi; tibiæ antice calcaribus minimis.

Forks of the cubital vein nearly straight, their base a little nearer than the end of the discal areolet to the tip of the wing; first and second externo-medial veins nearly straight; third inclined to the fourth, but at some distance from it on the border; subanal at some distance from the anal on the border.

177. DASYPOGON HUMERALIS.

Mas. *Fuscus*; *antennæ et humeri rubiginea*; *abdomen nigrum*; *alæ subcinereæ*.

Dasypogon humeralis, *Wied.*
ype.

Group 2.

Corpus gracile, fere nudum. Caput thorace vix angustius. Frons plana, nuda. Mystax setis quatuor apud epistoma. Pedes validi; tibiæ antice calcaribus parvis.

Fore fork of the cubital vein undulating, hind fork slightly curved, their base a little nearer than the end of the discal areolet to the tip of the wing; first and second externo-medial veins nearly straight; third very slightly inclined to the fourth, and far apart from it on the border; subanal near the anal on the border.

- A. Abdomen vitta dorsali nigra.
 A. Vena cubitalis furca 1a angulata. - Anaxilas, Walk.
 B. Venæ cubitalis furca non angulata. - Alcippe, Walk.
 B. Abdomen ferrugineum.
 A. Thorax trivittatus. - - - letifer, Walk.
 B. Thorax bivittatus. - - - videns, Walk.

178. DASYPOGON ANAXILAS.

Dasypogon Anaxilas, *Cat. of Diptera*, 2, 324.

This species may be a variety of *D. Alcippe*, but the first fork of the cubital vein is angular near its base, and the third extero-medial vein is more remote from the fourth on the border.

179. DASYPOGON ALCIPPE.

Dasypogon Alcippe, *Cat. of Diptera*, 2, 338.

180. DASYPOGON LETIFER.

Dasypogon letifer, *Diptera Saundersiana*, Pt. 2, 89.

Caffaria?

181. DASYPOGON VIDENS.

Dasypogon videns, *Diptera Saundersiana*, Pt. 2, 93.

Group 3.

Dasypogon, Loew.

182. DASYPOGON CRASSUS.

Niger, crassus; pedes hirti; halteres fulvi. Mas.—Alæ fuscane.
Fœm.—Abdominis segmenta 2um, 3um et 4um supra fusco-
rubescentia; alæ flavidae.

Dasypogon crassus, Macq. *Expl. Scient. Alg.* 361; *Ins.* 433, 53,
 pl. 1, f. 12.

Algeria.

D. punctatus is nearly allied to this species, but may be distinguished by its brown halteres.

Group 6.

Corpus gracile. Caput, thorax et abdomen basi denissime irta. Caput thorace vix angustius. Facies plana, hirta. Mystax ensissime hirtus. Antennarum articulus 3us fusiformis, 1o et 2o conjunctim multo longior. Pedes sat validi, hirti; tibiæ anticæ calcaribus parvis.

Forks of the cubital vein nearly straight, their base a little nearer to the tip of the wing than the end of the discal areolet; first and second externo-medial veins straight; third much inclined to the fourth, and near it on the border; subanal joining the anal on the border.

183. DASYPOGON CLÆLIUS.

Dasyponon Clælius, *Cat. of Diptera*, 2, 351.

Group 5.

Fæm. Corpus sat gracile, fere nudum. Caput thorace vix angustius. Facies plana, nuda. Mystax setis quatuor. Antennarum articulus 2us lo brevior; 3us fusiformis, 1o et 2o conjunctim longior. Pedes sat graciles, fere nudi; tibiæ anticæ calcaribus arvis.

Forks of the cubital vein nearly straight, their base very little nearer than the end of the discal areolet to the tip of the wing; first and second externo-medial veins straight; third inclined to the fourth and not far from it on the border; subanal joining the anal on the border.

184. DASYPOGON TAPULUS.

Dasyponon Tapulus, *Cat. of Diptera*, 2, 351.

Group 8.

Mas. Corpus mediocre, gracile, fere nudum. Caput thorace paulo latius. Facies plana, nuda. Mystax quadrisetosus. Oculi magni. Antennæ sat longæ; articulus 1us linearis, 2o multo longior; 2us obconicus; 3us longifusiformis, 1o et 2o conjunctim paulo longior. Abdomen longiobclavatum, apice nitens. Sexualia magna. Pedes graciles; unguis et onychia parva: tibiae antice calcaribus parvis.

Forks of the cubital vein slightly curved, their base a little nearer than the end of the discal areolet to the tip of the wing. Four externo-medial veins proceeding nearly directly to the border; third and fourth slightly inclined to each other, but at some distance apart on the border; subanal joining the anal on the border; discal areolet nearly pentagonal, rather long and narrow.

185. DASYPOGON LIMBITHORAX.

Fem. *Gracilis niger, antennæ pedesque testacea; thorax vittis lateralibus albidis; alæ fuscae.*

Dasypogon limbithorax, *Macq. Dipt. Exot. Suppl.* i. 60, 34.

Caffraria.

Group —?

- | | | |
|--------------------------------|-----------|---------------------------|
| A. Alæ fuscae. | - - - - - | longicornis, <i>Macq.</i> |
| B. Alæ hyalinæ. | | |
| A. Abdomen albo non maculatum. | - - - | Olivieri, <i>Macq.</i> |
| B. Abdomen albo maculatum. | - - - | Ægyptius, <i>Macq.</i> |

186. DASYPOGON LONGICORNIS.

Mas. *Niger, gracilis; antennæ capite duplo longiores; scutellum, abdomen pedesque rufa; alæ fuscae, basi flavescentes.*

Dasypogon longicornis, *Macq. Dipt. Exot.* i. 2, 192.

Egypt.

187. DASYPOGON OLIVIERII.

Mas. *Niger; thorax albido trilineatus; abdomen fulvum, nigro cinctum, lateribus nigro maculatis; alæ subflavo hyalinæ.*

Dasyponogon Olivieri, *Macq. Dipt. Exot. i. 2, 33, 1.*

Egypt.

188. DASYPOGON AEGYPTIUS.

Mas. *Niger; abdominis segmenta 2o ad 7um fulva lateribus nigris, 2um et 3um marginibus posticis albo maculatis; tibiae tarsique fusca; alæ hyaline, basi subfuscæ.*

Dasyponogon Aegyptius, *Macq. Dipt. Exot. i. 2, 33, 2.*

Egypt.

Div. II. Tibiæ antice non calcatae.

Group 1.

This group may be divided into two sub-groups.

Sub-group 1.

Corpus magnum aut maximum, robustum. Caput thorace paullo angustius. Facies nuda, vix convexa. Mystax apud peristoma dense setosus. Antennæ sat longæ; articulus 1us 2o paullo longior; 3us subclavatus, lo et 2o conjunctim multo longior. Prothorax crassus. Abdomen fere nudum, plus dimidio basali hirtum, apicem versus nitens; anus spinis armatus. Pedes validi, setosi; unguis et onychia magna.

Microstylum, p., *Macq. Dipt. Exot. i. 2, 26, 3.*

Forks of the cubital vein opposite at the base to the end of the discal areolet; fore fork curved forward; hind fork curved hindward towards the first externo-medial vein. First and second externo-medial veins straight; third obsolete beyond the discal areolet; fourth straight, joined to the third by a long slightly

undulating veinlet; subanal joining the anal very near the border. Discal areolet very long and narrow.

The stouter body, thicker mystax, shorter wings and some other peculiarities distinguish this sub-group from *Megapollyon*.

Sub-group 2.

Corpus maximum, setosum, dense pilosum. Caput thorace angustius; facies nuda, subconvexa. Mystax setis octa validus apud peristoma. Barba densa. Antennæ sat longæ; articulis 1us 2o longior; 3us longissime fusiformis, 1o et 2o conjunctim longior. Thoracis dorsum pubescens, latera setosa. Abdomen plus dimidio basili obscurum, dense hirtum, apicem versus nitens, nudum aut nudiusculum; anus spinus armatus. Pedes validi setosi, pilosi; unguis et onychia magna.

Microstylum, p., *Macq.*

Megapollyon, *Walk. Insecta Saundersiana*, Pt. 2, 86.

Forks of the cubital vein nearly straight, their base much nearer than the end of the discal areolet to the tip of the wing. First externo-medial vein much curved forward near its base; second straight; third obsolete beyond the discal areolet, or appearing only as the stump of a vein; fourth proceeding nearly straight to the border, joined to the third by a long slightly undulating veinlet, which is nearly parallel to the border of the wing; subanal joining the anal far from the border. Discal areolet very long and narrow.

A. Alæ non maculatae.

- A. Alæ nigricantes. - - - - acutirostris, *Loew.*
- B. Alæ nigrae, basi albae. - - - - Pica, *Macq.*
- C. Alæ fuscæ.
 - a. Alæ costa ferruginea.
 - a. Barba *feminæ* nigra. - - - - Barbarossa *Wied.*
 - b. Barba *feminæ* fulva. - - - - Serranus, *Walk.*
 - b. Alæ costa non ferruginea.
 - a. Thorax disco nigro. - - - - Blæsus, *Walk.*
 - b. Thorax vittis quatuor piceis. - - - - Saverrio, *Walk.*
- D. Alæ fuscæ, venis flavo limbatis. - - - - venosus, *Wied.*
- E. Alæ fusco lituratae. - - - - gigas, *Wied.*
- F. Alæ subferrugineaæ. - - - - capensis, *Wied.*

<i>G.</i>	<i>Alæ subflavescentes.</i>	-	-	-	-	<i>rubripes, Macq.</i>
<i>H.</i>	<i>Alæ hyalinæ.</i>	-	-	-	-	<i>simplicissimus, Loew.</i>
<i>I.</i>	<i>Alæ lacteæ.</i>	-	-	-	-	<i>lacteipennis, Wied.</i>
B.	Alæ maculatae.	-	-	-	-	<i>afer, Wied.</i>

189. DASYPOGON ACUTIROSTRIS.

Thorax fusco-cinereus, striis nigris nitidis, lateralibus e maculis duabus compositis, intermedia duplice; abdomen fulvescens, ad basim et ab segmento 5º nigrum; alæ nigricantes.

Microstylum acutirostre, Loew, Bericht Verhandl. Kon. Preuss Akad. Wissenschaft. Berl. 1852, 658, 9.

Mozambique.

190. DASYPOGON PICA.

Mas. Rufescens; thorax vittis nigris; antennæ, mystax pedesque nigra; abdomen nigrum, incisuris flavis; alæ nigre, basi albae.

Microstylum Pica, Macq. Dipt. Exot. Suppl. i. 59, 12, pl. 6, f. 6.

Caffaria.

¶ Port Natal. From M. Gueinzius' collection.

191. DASYPOGON BARBAROSSA.

Niger; alæ fuscae, ad costam rubidae. Mas.—Barba rufa. Fem.—Barba nigra.

Dasyponon Barbarossa, Wied. Auss. Zweifl. i. 370, 7.

Microstylum Barbarossa, Macq. Dipt. Exot. i. 2, 29, 5.

Cape. Madagascar.

192. DASYPOGON SERRANUS.

Dasyponon Serranus, Cat. of Diptera, 2, 308.

¶ Port Natal. From M. Gueinzius' collection.

This may be a variety of *D. Barbarossa*.

193. DASYPOGON BlæSUS.

Dasypogon Blæsus, *Cat. of Diptera*, 2, 309.

194. DASYPOGON SAVERRIO.

Dasypogon Saverrio, *Cat. of Diptera*, 2, 309.

195. DASYPOGON VENOSUS.

Badius; *tarsi apice nigri*; *alæ fuscæ*, *venis flavo limbatis*.

Dasypogon venosus, *Wied.*

South Africa.

196. DASYPOGON GIGAS.

Fuscanus; *abdomen nigrum*, *segmentis mediis, incisuris lateribusque subtestaceis*; *alæ fusco lituratæ*.

Dasypogon gigas, *Wied. Dipt. Exot.* i. 216, 3; *Auss. Zweifl.* i. 369, 5, pl. 6, f. 3.

Cape.

197. DASYPOGON CAPENSIS.

Ochraceus; *abdomen nigrum*, *maculis lateralibus cinereis*; *alæ subferrugineæ*.

Asilus capensis, *Fabr.*

South Africa.

198. DASYPOGON RUBRIPES.

Ater; *facies ferrugineo-fusca*; *abdomen rufo fasciatum*; *pedes testacei*; *alæ subflavescentes*.

Microstylum rubripes, *Macq. Dipt. Exot.* i. 2, 28, 3.

Cape.

LIST OF DIPTERA.

199. DASYPOGON SIMPLICISSIMUS.

*Obscure flavo-cinereus; facies tota barbata; alae hyalinae,
versus marginem posteriore multo tenuioribus, venæ cu-
ramo postico vena externo-media la conjuncto.*

*Microstylum simplicissimum, Loew, Bericht Verhandl. Kon. P.
Akad. Wissensch. Berl. 1852, 658, 8.*
Mozambique.

200. DASYPOGON LACTEIPENNIS.

*Niger; abdomen utrinque vitta cinerea; pedes obscure badii
lacteæ.*

Dasypogon lacteipennis, Wied.

South Africa.

201. DASYPOGON AFER.

*Fœm. Thorax cæsio nigellus, fusco vittatus; abdomen p.
incisuris rubidis, marginibus albidos; pedes rubidi
fuscane plagiatae.*

Dasypogon afer, Wied.

South Africa.

Group 2.

Corpus longum. Caput et thorax hirta et setosa. Capitulum
multo angustius. Facies convexa. Mystax dense setosa.
Antennarum articulus 3us sublinearis, arista longa, articuli
2o conjunctum paullo longior. Abdomen pubescens, alis levibus.
Pedes validi, setosi.

Sub-group 1.

Forks of the cubital vein much nearer than the end of the
cubital areolet to the tip of the wing; fore fork undulating; hind
slightly inclined near its tip to the first externo-medial, which
the second, is almost straight; third externo-medial much inclining
to the fourth, but at some distance from it on the border; so
joining the anal on the border.

Type *D. Scheno.*

- A. Thorax quadriovittatus. - - - - Scheno, Wall.
 B. Thorax trivittatus. - - - - dilutus, Wall.

202. DASYPOGON SCHENO.

Dasypogon Scheno, Cat. of Diptera, 2, 312.

203. DASYPOGON DILUTUS.

Dasypogon dilutus, Diptera Saunderriana, Pt. 2, 98.
 Cape.

Sub-group 2.

Forks of the cubital vein a little nearer than the end of the discal areolet to the tip of the wing; fore fork slightly undulating; hind fork straight; first and second externo-medial veins straight; third joining the fourth at some distance from the border; subanal almost joining the anal on the border.

204. DASYPOGON ANTIGENES.

Dasypogon Antigenes, Cat. of Diptera, 2, 312.

Group 3.

Corpus elongatum, fere nudum. Caput thorace paullo angustius. Facies plana. Antennarum articulus 3us clavatus, 1o et 2o conjunctim vix brevior. Abdomen tomentosum. Pedes robusti, setosi.

Forks of the cubital vein slightly curved from each other, their base opposite the end of the discal areolet. First externo-medial extremely curved near its base, more than twice further at its end from the second externo-medial than from the hind fork of the cubital; second and fourth proceeding nearly straight to the border; third undulating hindward and joining the fourth at a considerable distance from the border. Subanal joining the anal on the border.

205. DASYPOGON SPURINUS.

Dasypogon Spurinus, *Cat. of Diptera*, Pt. 2, 323.

Group 4.

Stichopogon, *Loew*.

- Alæ non punctatæ.
- A. Femora antica vix incrassata. - - - gigantellus, *Loew*.
- B. Femora antica valde incrassata. - - - Mantis, *Loew*.
- Alæ punto nigro. - - - punctatus, *Loew*.

206. DASYPOGON GIGANTELLUS.

Cinereus; abdomen cingulis sex latis, albis, æqualibus, tenuiter interruptus.

Stichopogon gigantellus, *Loew*, *Bericht Verhandl. Kon. Preuss. Akad. Wissensch. Berl.* 1852, 658, 6.

Zambique.

207. DASYPOGON MANTIS.

Obscure flavidо-cinereus; facies angustissima; femora antica basi valde incrassata, fere trigona, subtus spinosissima; tibiae anticae intus nigro spinosæ, reliquis crassiores; alarum vena extero-media 2a brevis, ab 3a longe remota; 3a et 4a longe ante marginem; alæ conjunctæ.

Stichopogon Mantis, *Loew*, *Bericht Verhandl. Kon. Preuss. Akad. Wissensch. Berl.* 1852, 659, 10.

Zambique.

208. DASYPOGON PUNCTATUS.

fuscо-cinereus; alæ cinereo-hyalinæ, puncto minuto nigro distinctissimo signatae.

Stichopogon punctatum, *Loew*, *Bericht Verhandl. Kon. Preuss. Akad. Wissensch. Berl.* 1852, 658, 7.

Zambique.

Group 5. *Xiphocerus*, *Loew*.209. *DASYPOGON REYNAUDII*.

Mas. *Niger*; *thorax fulvo marginatus*; *abdomen albo fasciatum*, *segmentis ultimis fulvis*; *pedes fulvi*; *ala subfuscæ*, *ad costam flavæ*.

Xiphocera Reynaudii, *Macq. Dipt. Exot.* i. 2, 48, 1, pl. 3, f. 9.
Cape.

Group 6. *Acnephulum*, *Loew*.

- | | |
|---|--------------------------------|
| A. <i>Pedes nigri</i> . - - - - - | <i>brevis</i> , <i>Macq.</i> |
| B. <i>Tibiæ rufæ</i> . - - - - - | <i>curtus</i> , <i>Wied.</i> |
| C. <i>Tibiæ tarsique testacea</i> . - - - - - | <i>dorsalis</i> , <i>Macq.</i> |

210. *DASYPOGON BREVIS*.

Mas. *Ater*, *flavido hirsutus*; *vertex pilis rubris*; *ala basi subfuscæ*, *vena cubitalis ramus posticus vena externo-media la conjunctus*; *vena externo-media 3a 4a conjuncta*.

Acnephulum breve, *Macq. Dipt. Exot.* i. 2, 52, 2, pl. 4, f. 3.
Cape.

211. *DASYPOGON CURTUS*.

Mas. *Niger*, *albido hirtus*; *tibiæ posticæ rufæ*.

Dasypogon curtus, *Wied. Zool. Mag.* iii. 6, 7; *Dipt. Exot.* i. 229, 28; *Auss. Zweifl.* i. 409, 70.
Cape.

212. *DASYPOGON DORSALIS*.

Fœm. *Ater*; *femora subtus rufa*, *tibiæ tarsique testacea*; *ala hyalinæ*, *basi subfuscæ*.

Acnephulum dorsale, *Macq. Dipt. Exot.* i. 2, 52, 3, pl. 4, f. 4.
Cape.

Group 7. *Pycnopogon?* *Loew.*

- A. Thorax vittatus.
 A. Pedes fulvi. - - - - andrenoides, *Wied.*
 B. Pedes nigri. - - - quadratus, *Wied.*
 B. Thorax non vittatus. - - - apiformis, *Macq.*

213. *DASYPOGON ANDRENOIDES.*

Niger, cinerascente hirtus; thorax apice vittulis tribus; abdomen fasciis albo pilosis; pedes fulvi, femoribus supra nigris; alæ basi costa et apud venas transversas fuscescentes.

Dasyppogon andrenoides, Wied. Auss. Zweifl. i. 403, 61.

Cape.

214. *DASYPOGON QUADRATUS.*

Niger, cinerascente hirtus; thorax apice vittulis tribus albis; abdominis margo flavo hirtus.

Dasyppogon quadratus, Wied. Auss. Zweifl. i. 404, 62.

Cape.

215. *DASYPOGON APIFORMIS.*

Mas et Fœm. *Niger, latus, flavo pilosus; mystax flavus; alæ flavidae.*

Dasyppogon apiformis, Macq. Expl. Scient. Alg. iii. Ins. 436, 60, pl. 2, f. 7.

Algeria.

Group 8.

Corpus mediocre, sublineare, pubescens, parce setosum. Caput horace paullo angustius. Facies plana, epistoma versus subconcrexa. *Mystax* setis plurimis, faciei trientem basalem occupans. Pedes robusti, setosi.

Forks of the cubital vein nearer at the base than the end of the discal areolet to the tip of the wing; fore fork slightly undulating; hind fork nearly straight. Four externo-medial veins separate, proceeding nearly straight to the border. Subanal and anal united at a long distance from the border.

216. DASYPOGON LÆVINUS.

Dasypogon Lævinus, *Cat. of Diptera*, 2, 358.

Group 9.

Corpus breve, crassus, parce pilosum et setosum. Caput thorace paulo angustius. Facies plana. Mystax setosus, faciem usque ad antennas occupans. Pedes robusti, pilosi, setosi.

Forks of the cubital vein curved from each other, their base opposite the end of the discal areolet; fore fork near its base angular, and emitting a short branch towards the base of the wing. First externo-medial joining the hind fork of the cubital at some distance from the border; second proceeding straight to the border; third connected with the fourth at some distance from the border. Subanal united to the anal very near the border.

217. DASYPOGON LUSCINIUS.

Dasypogon Luscinus, *Cat. of Diptera*, 2, 360.

Group ——?

A. Areola discalis simplex.

A. Alæ nigrae. - - - - - maurus, *Macq.*

B. Alæ fuscae.

A. Pedes fulvo-rubri. - - - - - obscuripennis, *Macq.*

B. Pedes nigri. - - - - - pusillus, *Macq.*

C. Alæ rufescentes.

A. Pedes nigri. - - - - - rubiginipennis, *Macq.*

B. Pedes fulvi. - - - - - tenuis, *Macq.*

D. Alæ flavescentes.

A. Pedes nigri, femoribus testaceis. - - - - - flavipennis, *Macq.*

- B. Pedes pallidi.
- a. Abdomen nigrum.
 - i. Frons non aurata. - - - longus, Macq.
 - ii. Frons aurea. - - - aurifrons, Macq.
 - b. Abdomen rubrum. - - - rubriventris, Macq.
- E. Alæ subcinereæ aut hyalinæ.
- A. Pedes nigri.
 - a. Abdomen non punctatum. - - - nitidus, Macq.
 - b. Abdomen punctis albis. - - - pusio, Macq.
 - b. Pedes pallidi.
 - a. Antennæ nigrae. - - - scapularis, Macq.
 - b. Antennæ rufæ. - - - pygmæus, Macq.
- B. Areola discalis duplicata. - - - heteroneurus, Macq.

218. DASYPOGON MAURUS.

Niger; mystax et barba nigra; thorax vittatus; alæ nigricantes; halteres fulvi. Mas.—*Facies argentea.* Fœm.—*Facies aurata; abdominis segmenta 3um, 4um et 5um supra rufa.*

Dasypogon maurus, Macq. Expl. Scient. Alg. iii. Ins. 435, 57, pl. 2, f. 1.

Algeria.

219. DASYPOGON OBSCURIPENNIS.

Niger; mystax flavus; barba nigra; pedes fulvo-rubri; alæ fusca, basi flava, apice et apud costam limpidae; halteres fulvi. Fœm.—*Abdomen testaceum, apice nigrum.*

Dasypogon obscuripeennis, Macq. Expl. Scient. Alg. iii. Ins. 434, 5, pl. 2, f. 2.

Algeria.

220. DASYPOGON PUSILLUS.

Fœm. *Niger, nitidus; facies et mystax flava; alæ subfuscæ.*

Dasypogon pusillus, Macq. Dipt. Exot. i. 2, 42, 22; Expl. Scient. Alg. iii. Ins. 439, 68.

Algeria.

221. DASYPOGON RUBIGINIPENNIS.

Fœm. *Niger, flavido pilosus; mystax albidus; abdomen angustum; tibiae basi testacea; alæ rufescentes; halteres fulvi.*

Dasypogon rubiginipennis, Macq. Expl. Scient. Alg. iii. Ins. 4, 35, 56, pl. 2, f. 5.

Algeria.

222. DASYPOGON TENUIS.

Fœm. *Gracilis, niger; facies mystaxque flava; thorax fuscus, vittis tribus nigris; pedes fulvi, femoribus posticis nigris; alæ rufescentes.*

Dasypogon tenuis, Macq. Dipt. Exot. i. 2, 42, 20; Expl. Scient. Alg. iii. Ins. 437, 61.

Algeria.

223. DASYPOGON FLAVIPENNIS.

Mas. *Flavido-cinereus; antennæ nigrae, apice testacea; mystax albidus; thorax vittis fuscans; pedes nigri, femoribus testaceis; alæ flave.*

Dasypogon flavipennis, Macq. Dipt. Exot. Suppl. 1, 59, 11.

Caffraria.

224. DASYPOGON LONGUS.

Fœm. *Niger; thorax fuscatus, albo lineatus; abdomen elongatum; pedes fulvi, femora supra nigra; alæ subflave.*

Dasypogon longus, Macq. Dipt. Exot. i. 2, 43, 23.

Egypt.

225. DASYPOGON AURIFRONS.

Niger; frons aurea; thorax cinereo tomentosus, nigro trivittatus; pedes fulvi; alæ flavescentes, venis fuscis. Mas.—Abdomen incisuris albis. Fœm.—Antennæ basi et abdominis segmenta testacea.

Dasypogon aurifrons, Macq. Expl. Scient. Alg. iii. Ins. 434, 54, pl. 2, f. 4.

Algeria.

226. DASYPOGON RUBRIVENTRIS.

Mas et Fœm. *Niger, rufo pilosus ; mystax albus ; antennæ testacea ; abdomen angustum, rubrum, maculis dorsalibus nigris ; pedes testacei, postici femoribus intus nigricantibus ; alæ cinereo-flavescentes.*

Dasypogon rubriventris, Macq. Expl. Scient. Alg. iii. Ins. 437, 62, pl. 2, f. 3.

Algeria.

227. DASYPOGON NITIDUS.

Niger, nitidus ; mystax albus ; pedes albo pilosi ; alæ subcinereæ ; halteres albidi.

Dasypogon nitidus, Macq. Expl. Scient. Alg. iii. Ins. 438, 65.

Algeria.

228. DASYPOGON PUSIO.

Ater, nitidus ; mystax albus ; abdomen punctis lateralibus albis alæ limpidæ ; halteres flavido-albi.

Dasypogon pusio, Macq. Expl. Scient. Alg. iii. Ins. 438, 66.

Algeria.

229. DASYPOGON SCAPULARIS.

Mas. *Niger ; thorax fusco vittatus ; scapulæ, anus pedesque testacea ; femora supra nigricantia ; alæ subhyalinæ.*

Dasypogon scapularis, Macq. Dipt. Exot. i. 2, 44, 25.

Cape.

230. DASYPOGON PYGMÆUS.

Mas et Fœm. *Fuscus, tenuis ; antennæ rufæ ; thorax vittis rufescitibus ; pedes rufi, albo pilosi ; alæ limpidæ ; halteres albidi.*

Dasypogon pygmæus, Macq. Expl. Scient. Alg. iii. Ins. 437, 63, pl. 2, f. 6.

Algeria.

231. DASYPOGON HETERONEURUS.

Fæm. *Cinereus*; *facies mystaxque albida*; *antennæ testacea*; *abdomine elongatum*; *alæ subflavescentes*; *vena externo-media 1a venæ cubitalis ramo postico longe ante marginem connexa*; *venæ externo-mediæ 3a et 4a petiolo unico terminatae*.

Dasyponogon heteroneurus, *Macq. Dipt. Exot.* i. 2, 41, 19, pl. 3, f. 7;
Expl. Scient. Alg. iii. *Ins.* 436, 59.

Algeria.

Div. —?

A. Alæ fuscae.

A. Thorax niger. - - - - - *mærens*, *Wied.*
B. Thorax canus, vittis nigris. - - - - - *Reinhardi*, *Wied.*

C. Thorax fuscus.

A. Thorax vittatus. - - - - - *caffer*, *Wied.*
B. Thorax non vittatus. - - - - - *bispidus*, *Wied.*

D. Thorax rubidus.

A. Alæ infumatae. - - - - - *fuscipennis*, *Wied.*
B. Alæ basi flavæ. - - - - - *aulicus*, *Wied.*

B. Alæ rufescentes aut flavæ.

A. Pedes nigro-fusci. - - - - - *atratus*, *Fabr.*
B. Pedes nigri, tibiis fulvis. - - - - - *ruficauda*, *Fabr.*

C. Pedes rubidi aut fulvi.

A. Antennæ nigræ. - - - - - *setosus*, *Wied.*
B. Antennæ pallidæ.
 a. Abdomen incisuris fulvis. - - - - - *limbatus*, *Fabr.*
 b. Abdomen totum nigrum. - - - - - *tragicus*, *Wied.*

C. Alæ subcinereæ aut limpidae.

A. Thorax niger.
 a. Abdomen nigrum, apice ferrugineum. *haemorrhoidalis*, *Fabr.*

 b. Abdomen rubidum, maculis lateralibus nigris. *vestitus*, *Wied.*

 c. Abdomen rubidum, fasciis albis. *Rüppellii*, *Wied.*

B. Thorax fuscus, vittis albis. - - - - - *striatus*, *Fabr.*

232. DASYPOGON MÆRENS.

Mas. *Niger*; *abdomen basi pedesque ferruginosa*; *alæ fusca*.

Dasypogon mærens, *Wied. Auss. Zweifl.* i. 399, 53.

Sierra Leone.

232. DASYPOGON REINHARDI.

Fœm. *Niger*; *thorax canus, nigro vittatus*; *abdomen basi album, utrinque maculis testaceis*; *alæ fusca*.

Dasypogon Reinhardi, *Wied. Auss. Zweifl.* i. 401, 57.

Guinea.

234. DASYPOGON CAFFER.

Mas. *Fuscanus*; *thorax vittis olivaceo-fuscis*; *abdomen nigrum, cano fasciatum*; *alæ fuscescentes*.

Dasypogon caffer, *Wied. Auss. Zweifl.* i. 394, 44.

South Africa.

235. DASYPOGON HISPIDUS.

Mas. *Fuseanus*; *mystax nigro-fuscus*; *abdomen canum*; *femora nigra*; *alæ subfuscescentes*.

Dasypogon hispidus, *Wied. Auss. Zweifl.* i. 398, 50.

Cape.

236. DASYPOGON FUSCIPENNIS.

Mas. *Badio-rubidus*; *thorax vittis nigris*; *abdomen apice nigrum*; *alæ infumatae*.

Dasypogon fuscipennis, *Wied. Dipt. Exot.* i. 227, 24; *Auss. Zweifl.* i. 399, 52.

Cape.

237. DASYPOGON AULICUS.

Mas et Fœm. *Ferruginosus ; thorax vittis tribus nigris limboque orichalceo ; abdomen maculis nigris ; alæ fuscanæ basi flave.*

Dasypogon aulicus, Wied. *Auss. Zweifl.* i. 379, 21. *Macq. Dipt. Exot.* i. 2, 34, 3, pl. 3, f. 5.

South Africa.

238. DASYPOGON ATRATUS.

Niger ; caput et thorax cinerascente hirsuta ; pedes nigro-fusi ; alæ flavescentes ; halteres fulvi.

Asilus atratus, *Fabr. Ent. Syst.* iv. 380, 19. *Meig. Klass. Zweifl.* i. 266, d.

Dasypogon atratus, *Fabr. Syst. Anil.* 165, 4. *Meig. Zweifl.* ii. 262, 6.

Barbary.

239. DASYPOGON RUFICAUDA.

Cinereus, hirtus ; thorax nigro bilineatus ; abdomen apice fulvum ; tibiae fulve ; alæ ferrugineaæ.

Laphria ruficauda, *Fabr. Syst. Anil.* 161, 22.

Dasypogon ruficauda, *Meig. Zweifl.* ii. 284, 43.

Morocco.

240. DASYPOGON SETOSUS.

Mas. *Nigellus ; thorax vittis obsoletissimis ; abdomen cæsius albescens ; pedes rubidi ; alæ subrufescentes.*

Dasypogon setosus, Wied. *Anal. Entom.* 26, 24 ; *Auss. Zweifl.* i. 394, 45.

Cape.

241. DASYPOGON LIMBATUS.

Nigricans ; antennæ, thoracis limbus, abdominis incisuræ pedesque fulva ; femora postica apice nigro maculata ; alæ fulvae.

Asilus limbatus, Fabr. Ent. Syst. iv. 382, 26. Meig. Klass. Zweifl. i. 267, g.

Dasyponogon limbatus, Fabr. Syst. Antl. 165, 7. Coqueb. Ill. Icon. 113, pl. 25, f. 10. Meig. Zweifl. ii. 283, 41. Wied. Dipt. Exot. i. 224, 18 ; Auss. Zweifl. i. 395, 46.

Barbary.

242. DASYPOGON TRAGICUS.

Ater ; antennæ pedesque rubida ; thorax utrinque rubidus, orichalceo micans ; abdomen scoriaeо nigrum ; alæ flavae, apice subcinereæ.

Dasyponogon tragicus, Wied. Auss. Zweifl. i. 400, 55.

South Africa.

243. DASYPOGON HÆMORRHOIDALIS.

Fœm. Niger ; abdomen lineolis lateralibus albis, apice ferrugineum ; pedes ferruginei, tarsis nigris ; alæ subcinereæ.

Asilus hæmorrhoidalalis, Fabr. Ent. Syst. iv. 389, 58. Coqueb. Ill. Icon. 118, pl. 26, f. 11.

Diocetria hæmorrhoidalalis, Fabr. Syst. Antl. 161, 8.

Dasyponogon hæmorrhoidalalis, Wied. Auss. Zweifl. i. 407, 66. Macq. Expl. Scient. Alg. iii. Ins. 438, 64.

Barbary.

244. DASYPOGON VESTITUS.

Niger ; abdomen rubidum, utrinque maculis nigris ; pedes rubidi, genubus posticis nigris ; alæ limpidae.

Dasyponogon vestitus, Wied. Auss. Zweifl. i. 406, 65.

Nubia.

245. DASYPOGON RUPPELII.

Rubidus; facies albo hirta; thorax nigellus, cano hirtus; abdomen albo fasciatum; alæ limpidae.

Dasypogon Rüppelii, *Wied. Auss. Zweifl.* i. 4, 569, 57.
Nubia.

246. DASYPOGON STRIATUS.

Fuscus, hirtus; thorax fuscus, albo lineatus; abdomen fulvum, fusco bilineatum, lateribus albis; pedes fulvi.

Asilus striatus, *Fabr. Ent. Syst.* iv. 387, 49. *Meig. Klass. Zweifl.* i. 2690.

Dasypogon striatus, *Fabr. Syst. Anil.* 167, 16. *Meig. Zweifl.* ii. 283, 42.

Barbary.

Madagascar.

Group 1.

Microstylum, *Macq.* See pp. 451, 452.

247. DASYPOGON CILIIPES.

Fœm. *Fuscanus; facies argentea; abdomen maculis lateralibus albis; pedes breves ciliati; alæ fuscæ.*

Microstylum cilipes, *Macq. Dipt. Exot.* i. 2, 28, 4, pl. 2, f. 5.

248. DASYPOGON APPENDICULATUS.

Fœm. *Rubidus; facies et barba albæ; mystax niger; thorax vittis fuscis; abdomen nigrum, incisuris lateribusque albis; pedes testacei; alæ cinereæ.*

Microstylum appendiculatum, *Macq. Dipt. Exot. Suppl.* 2, 33, 14.

Asia.

Div. I. Tibiæ anticæ apice calcaratæ.

Group 1.

Mas. Corpus gracile, mediocre, fere nudum. Caput thorace paullo latius; frons et facies planæ. *Mystax* setis duabus apud peristoma exceptis nullus. Antennæ mediocriter longæ; articuli 1us et 2us subæquales; 3us fusiformis, 1o et 2o conjunctim paullo brevior. Prothorax conicus, attenuatus. Abdomen dimidio basali subcontractum. Sexualia parva. Pedes sat validi, setis paucis armati; unguis et onychia parva; tibiæ anticæ calcaribus minimis.

Eyes convex, except a small part in front, which is composed of larger facets than those elsewhere. Forks of the cubital vein nearly straight, their base opposite the end of the discal areolet. First and second externo-medial veins proceeding direct to the border; third and fourth slightly inclined towards each other, but at some distance apart on the border; subanal and anal almost connected on the border.

Nearly allied to Group 4, p. 30.

A. Pedes rufi aut fulvi.

A. Pedes nigro varii. - - - - Volcatus, Walk.

B. Pedes non nigro varii.

A. Tarsi picei. - - - - Hypsaon, Walk.

B. Tarsi fulvi. - - - - Cerco, Walk.

249. DASYPOGON VOLCATUS.

Dasyponogon Volcatus, *Cat. of Diptera*, 2, 346.

250. DASYPOGON HYPSAON.

Dasyponogon Hypsaon, *Cat. of Diptera*, 2, 348.

a. North China. From Mr. Fortune's collection.

251. DASYPOGON CERCO.

Dasyponogon Cerco, *Cat. of Diptera*, 2, 349.

Group 2.

Corpus sat magnum, validiusculum, fere nudum. Caput thorace vix angustius; facies subconvexa, parce pilosa. Myxtax pilis apud peristoma sat densis, setis nullis. Antennæ mediocriter longæ; articulus Ius 2o triplo longior; 3us linearis, apice acuminatus, lo et 2o conjunctim fere duplo longior. Prothorax crassus. Abdomen subcylindricum, basim versus subcontractum. Sexualia parva. Pedes sat validi, parce setosi; unguis et onychia mediocria; tibias antice calcaribus sat magnis.

Eyes convex, except a very small part in front, which is composed of larger facets than those elsewhere. Fork of the cubital vein nearly straight, their base a little nearer than the end of the discal areolet to the tip of the wing. First and second externo-medial veins proceeding direct to the border; third inclined to the fourth, but widely apart from it on the border; subanalis and anal very near together on the border.

252. DASYPOGON SUBAURATUS.

Fœm. *Aureo tomentosa; antennæ abdomen et pedes fulvi; thorax vittis quatuor nigro-cinereis, intermediis angustis extenis latis; abdomen basi nigrum apice testaceum, maculis lateribus testaceis et nigris; alæ subcinereæ, apud costam luridae.*

Fem. Head and thorax with gilded tomentum. Head clothed behind with black hairs; vertex, proboscis and palpi black. Antennæ tawny. Thorax with four blackish gray stripes; inner pair long and narrow; outer pair short and broad. Abdomen tawny, black at the base, and with large black spots along each side, testaceous at the tip, and with small testaceous spots along each side. Legs tawny; coxae with gilded tomentum; unguis black; onychia testaceous. Wings grayish, with a lurid tinge along the costa; veins black, tawny in front and towards the base. Halteres testaceous. Length of the body $7\frac{1}{2}$ lines; of the wings 15 lines.

a. North China. From Mr. Fortune's collection.

Div. II. Tibiæ anticæ non calcaratæ.

Group 1.

Megapollyon, Insecta Saundersiana, Pt. 2, 85.

See p. 452.

A. Thorax flavidus.	- - - - -	Spectrum, <i>Wied.</i>
B. Thorax niger.	- - - - -	
A. Abdomen nigrum, aut fuscum.	- - - - -	
A. Alæ nigro-cyanæ.	- - - - -	Vica, <i>Walk.</i>
B. Alæ nigricantes.	- - - - -	Polygnotus, <i>Walk.</i>
B. Abdomen rufum.	- - - - -	
A. Thorax totus niger.	- - - - -	Rhypæ, <i>Walk.</i>
B. Thorax albo vittatus.	- - - - -	Otacilius, <i>Walk.</i>
C. Abdomen apice rufum.	- - - - -	
A. Thorax totus niger.	- - - - -	Balbillus, <i>Walk.</i>
B. Thorax albo vittatus.	- - - - -	Sura, <i>Walk.</i>
D. Abdomen rufum, apice nigrum.	- - - - -	Libo, <i>Walk.</i>
C. Thorax niger, fulvo pilosus.	- - - - -	apiformis, <i>Walk.</i>
D. Thorax niger, vittis quatuor pallidis.	- - - - -	
A. Pedes rufi.	- - - - -	imbutus, <i>Walk.</i>
B. Pedes nigri.	- - - - -	trimelas, <i>Walk.</i>
E. Thorax canus, vittis obscurioribus.	- - - - -	apicalis, <i>Macq.</i>

253. DASYPOGON SPECTRUM.

Flavidus; antennæ apice ferrugineæ; pedes ferruginei, genubus nigris; alæ flavescentes, venis ferrugineis.

Dasypogon Spectrum, Wied.

Laphria Spalusus, Cat. of Diptera, Pt. 2, 371.

* North China. From Mr. Fortune's collection.

Var.? *Antennæ nigræ, apice testaceæ; abdomén testaceum, incisuris nigris; tibiæ intermediae calcaratæ; alæ flavæ. Long. 13—14 lin.*

Dasypogon dux, Wied. Auss. Zweifl. i. 568, 55.

Microstylum sinense, Macq. Dipt. Exot. i. 2, 29, 7, pl. 2, f. 3.

China. Manilla.

254. DASYPOGON VICA.

Dasypogon Vica, *Cat. of Diptera*, 2, 304.

a. Silhet. From Mr. Stevens' collection.

255. DASYPOGON POLYGNOTUS.

Dasypogon Polygnotus, *Cat. of Diptera*, 2, 305.

256. DASYPOGON RHYPÆ.

Dasypogon Rhypæ, *Cat. of Diptera*, 2, 303.

257. DASYPOGON OTACILIUS.

Dasypogon Otacilius, *Cat. of Diptera*, 2, 344.

258. DASYPOGON BALBILLUS.

Dasypogon Balbillus, *Cat. of Diptera*, 2, 307.

259. DASYPOGON SURA.

Dasypogon Sura, *Cat. of Diptera*, 2, 345.

260. DASYPOGON LIBO.

Dasypogon Libo, *Cat. of Diptera*, 2, 342.

261. DASYPOGON APIFORMIS.

Dasypogon apiformis, *Diptera Saundersiana*, Pt. 2, 97.

East Indies.

262. DASYPOGON IMBUTUS.

Dasypogon imbutus, *Diptera Saundersiana*, Pt. 2, 96.

East Indies.

263. DASYPOGON TRIMELAS.

Dasypogon trimelas, *Diptera Saunderiana*, Pt. 2, 97.
East Indies.

264. DASYPOGON APICALIS.

Mas. *Canus*; *antennæ nigrae*; *thorax vittis obscurioribus*; *abdomen basi nigrum albo fasciatum, apice rubiginosum*; *pedes rufescentes nigro varii*; *alæ flavescentes*.

Dasypogon apicalis, *Wied. Dipt. Exot.* i. 216, 4; *Auss. Zweifl.* i. 372, 10, pl. 6, f. 4.

Microstylum apicale, *Macq. Dipt. Exot.* i. 2, 29, 6.

Bengal.

Group 3.

See group 2, p. 455.

A. Thorax ferrugineus aut fulvus.		
A. Abdomen ferrugineum, apice piceum.	-	Ambryon, Walk.
B. Abdomen rufum.	-	Damias, Walk.
B. Thorax cinereo-fuscus.	-	Imbrex, Walk.
C. Thorax fulvus.	-	pulverifer, Walk.
D. Thorax niger.		
A. Thorax fulvo hirtus.	-	Aphrices, Walk.
B. Thorax cano hirtus.	-	Echelus, Walk.

265. DASYPOGON AMBRYON.

Dasypogon Ambryon, *Cat. of Diptera*, 2, 311.

266. DASYPOGON DAMIAS.

Dasypogon Damias, *Cat. of Diptera*, 2, 313.

267. DASYPOGON IMBREX

Dasypogon Imbrex, *Cat. of Diptera*, 2, 315.

268. DASYPOGON PULVERIFER.

Dasypogon pulverifer, *Diptera Saundersiana*, Pt. 2, 98.
East Indies.

269. DASYPOGON APHRICES.

Dasypogon Aphrices, *Cat. of Diptera*, 2, 314.

270. DASYPOGON ECHELUS.

Dasypogon Echelus, *Cat. of Diptera*, 2, 314.

Group 4. Cyrtopogon, Loew.

271. DASYPOGON LAPHRIDES.

Cyrtopogon laphrides, *Diptera Saundersiana*, Pt. 2, 99, pl. 3, f. 7.
East Indies.

Group 5.

Fæm. Corpus mediocre, dense hirtum. Caput thoracis latitudine. Facies convexa. Mystax dense setosus usque ad antennæ ascendens. Antennæ sat longæ; articulus 1us linearis, 2o plus duplo longior; 3us linearis, arista valida terminatus, 1o et 2o conjunctim fere duplo longior. Abdomen subcompressum. Alæ apud costæ dimidium basale subincrassatae.

Forks of the cubital vein nearly straight, their base much nearer than the end of the discal areolet to the tip of the wing. First, second, third and fourth externo-medial veins proceeding direct to the border; subanl inclined to the anal, and near to it on the border. Discal areolet pentagonal, rather long and narrow.

This group seems to be one of the links which connect the *Dasypogonites* with the *Asilites*.

272. DASYPOGON SCATOPHAGOIDES.

Mas. *Niger, testaceo hirtus; caput albido tomentosum, nigro setosum; thorax fuscō tomentosus, nigro cristatus; tibiae rufæ; alæ cinereo-fuscescentes.*

Black. Head with whitish tomentum, thickly beset with black istles, thickly clothed beneath with testaceous hairs. Thorax with brown tomentum, with a ridge of black bristles, and on each side with black hairs. Scutellum with black and tawny bristles. Abdomen compressed, thickly clothed with testaceous hairs, and beneath with black hairs. Legs stout, with black and tawny hairs; tibiae red, with black tips. Wings brownish; disk of the areolets gray; veins black, reddish towards the base. Halteres red. Length of the body 5 lines; of the wings 10 lines.

East Indies. From Mr. Stevens' collection.

Group —?

Alæ fuscae.

- | | | |
|--|-----------|---------------------------|
| <i>A. Thorax niger.</i> | - - - - - | albonotatus, <i>Wied.</i> |
| <i>B. Thorax fuscus.</i> | - - - - - | nigricauda, <i>Wied.</i> |
| <i>C. Thorax olivaceus.</i> | - - - - - | virens, <i>Wied.</i> |
| <i>D. Thorax cinereus, fasciis nigris.</i> | - - - - - | arabicus, <i>Macq.</i> |
| Alæ flavescentes. | - - - - - | dorsalis, <i>Wied.</i> |

273. DASYPOGON ALBONOTATUS.

Fœm. *Niger; abdomen utrinque maculis quatuor transversis albis; alæ medio infumatae.*

*octria albonotata, Wied. Dipt. Exot. i. 181, 5.
Dasypogon albonotatus, Wied. Auss. Zweifl. i. 402, 58.
Engal.*

274. DASYPOGON NIGRICAUDA.

Mas. *Fuscus; abdomen basi albidum, incisuris apiceque atris; alæ fuscae, apice sublimpidae.*

Dasypogon nigricauda, Wied. Anal. Entom. 26, 23; Auss. Zweifl. i. 377, 17.

East Indies.

275. DASYPOGON VIRENS.

Fœm. *Fuscano-flavidus*; thorax olivaceus; alæ cinereo-fusceæ.

Dasypogon virens, Wied. Auss. Zweifl. i. 398, 51.

Java.

276. DASYPOGON ARABICUS.

Thorax fasciis nigris, cinereo limbatis; abdomen fusco-testaceum, albido maculatum; alæ fuscanæ, venæ cubitalis ramus posticus vena externo-media ante marginem conjunctus; vna externo-mediatæ 3a et 4a connexæ.

Dasypogon arabicus, Macq. Dipt. Exot. ii. 1, 43, 24.

Arabia.

277. DASYPOGON DORSALIS.

Cinerascens; scutellum album; abdomen nigrum, segmentis 3o, 5o et 6o maculis trigonis albis; alæ vix flavescentes.

Dasypogon dorsalis, Wied. Auss. Zweifl. i. 413, 77.

East Indies.

Australia.

Div. 1. Tibiæ anticeæ apice calcaratæ.

Group 1.

Corpus elongatum, robustum, vix setosum. Caput thomum vix angustius. Facies vix convexa. Mystax setis nemoribus apud epistoma. Antennæ longiusculæ, filiformes; articulus 2us lo parvus brevior; 3us sublinearis, lo et 2o conjunctim paullo longior; arista vix ulla. Abdomen apice setosum. Pedes robusti, setosi.

Allied to *Microstylum*. Forks of the cubital vein slightly diverging from each other, their base opposite the end of the discal areolet. First and second externo-medial veins proceeding straight to the border; first curved forward, when it leaves the discal areolet; third much inclined to the fourth, but at some little distance from it on the border. Subanal and anal near each other on the border.

278. DASYPOGON SALINATOR.

Dasypogon Salinator, *Cat. of Diptera*, 2, 325.

Group 2.

Mas. Corpus mediocre, gracile, elongatum, parce hirtum, vix setosum. Caput thorace vix angustius. Facies plana. Mystax etis nonnullis apud epistoma. Antennæ longiusculæ; articulus us 2o duplo longior; 3us longissime fusiformis, 1o et 2o conjunctim longior; arista brevissima. Abdomen apud medium subconstrictum. Pedes robusti setosi; unguis et onychia elongata.

Forks of the cubital vein nearly straight, their base much nearer than the end of the discal areolet to the tip of the wing. First and second externo-medial veins proceeding from a short common petiole, which is emitted from the end of the discal areolet; third slightly inclined to the fourth, but far from it on the border; subanatal rather near to the anal on the border.

279. DASYPOGON SERGIUS.

Dasypogon Sergius, *Cat. of Diptera*, 2, 347.

Group 3.

Fem. Corpus majusculum, validum, sublineare, subpilosum, non setosum. Caput thorace paullo angustius. Facies plana. Mystax apud epistoma dense setosus. Abdomen subcylindricum. Pedes robusti, setosi.

Forks of the cubital vein curved slightly from each other, their base much nearer than the end of the discal areolet to the tip of the wing. First and second externo-medial veins proceeding nearly straight to the border; third slightly inclined towards the fourth, but far from it on the border. Subanatal and anal very near each other on the border.

280. DASYPOGON SPINTHER.

Dasypogon Spinther, *Cat. of Diptera*, 2, 337.

Group 4. Dasypogon, *Loew.*

281. DASYPOGON CARBO.

Dasypogon Carbo, *Diptera Saundersiana*, Pt. 2, 87.

New Holland.

Group —?

- | | | |
|------------------------|---------|-----------------------------|
| A. Alæ violaceo-nigræ. | - - - - | nigripennis, <i>Macq.</i> |
| B. Alæ rufescentes. | | |
| A. Albo punctatus. | - - - - | albopunctatus, <i>Macq.</i> |
| B. Albo non punctatus. | - - - - | nitidus, <i>Macq.</i> |
| C. Alæ fulvæ. | - - - - | princeps, <i>Macq.</i> |
| D. Alæ hyalinæ. | | |
| A. Thorax niger. | - - - - | limbipennis, <i>Macq.</i> |
| B. Thorax fulvus. | - - - - | albonotatus, <i>Macq.</i> |

282. DASYPOGON NIGRIPENNIS.

Mas. *Niger*; *facies alba*; *alæ violaceo-nigræ*.

Dasypogon nigripennis, *Macq. Dipt. Exot. Suppl.* 3, 20, 58, pl. 1, f. 10.

New Holland.

283. DASYPOGON ALBOPUNCTATUS.

Fem. *Testaceus*, *albo punctatus*, *mystax flavidus*; *thorax tomentosus*; *abdomen basi segmentoque 4o nigris*; *alæ rufescentes*.

Dasypogon albopunctatus, *Macq. Dipt. Exot. Suppl.* i. 65, 44, pl. 6, f. 7.

New Holland.

284. DASYPOGON NITIDUS.

Gracilis, nitidus, testaceus; mystax flavidus; thorax vittis fuscis; abdominis segmenta anteriora vittis lateralibus nigris; alæ rufescentes.

Dasypogon nitidus (nomen bis lectum), *Macq. Dipt. Exot. Suppl.* 1, 61, 35.

Tasmania.

285. DASYPOGON PRINCEPS.

Fulvus; thorax vittis nigris; abdomen fasciis nigris; alæ fulvae.

Dasypogon princeps, *Macq. Dipt. Exot. Suppl.* 3, 19, 57, pl. 1, f. 14.
New Holland.

286. DASYPOGON LIMBIPENNIS.

Fœm. *Niger, mystax cinereus; scutellum testaceum; tibiae basi albidae; alæ hyalinæ, costa fusca.*

Dasypogon limbipennis, *Macq. Dipt. Exot. Suppl.* i. 62, 33, pl. 7, f. 8.

Tasmania. Sidney Isle.

287. DASYPOGON ALBONOTATUS.

Mas. *Fulvus; thorax fuscano vittatus; abdomen nigrum, lateribus albo maculatis; alæ hyalinæ.*

Dasypogon albonotatus, *Macq. Dipt. Exot. Suppl.* 2, 33, 52.
Tasmania.

Div. II. Tibiae antice non calcaratæ.

Group 1.

Corpus angustum, hirtum. Caput thorace paullo angustius; oculi plana, pilosa. Mystax sat dense hirtus. Antennæ sat longæ;

articulus 1us linearis, 2o multo longior; 2us subclavatus; 3us lan-
ceolatus; arista brevissima. Thorax subcompressus. Abdomen
longum, compressum, apice spinis armatum. Pedes robusti, hirti
et spinosi; ungues et onychia mediocria.

Forks of the cubital vein nearer at the base than the end of
the discal areolet to the tip of the wing; fore fork slightly un-
dulating; hind fork nearly straight. First and second externo-
medial veins proceeding almost directly to the border; third much
bent towards the fourth, and near it on the border; subanalis in con-
tact with the fourth on the border.

A. Alæ subfuscæ.	- - - - -	Aoris, Walk.
B. Alæ ex parte fulvæ.	- - - - -	
A. Alæ ad costam fulvæ.	- - - - -	Digentia, Walk.
a. Alæ ex parte subcinereæ.	- - - - -	Agave, Walk.
b. Alæ ex parte limpidae.	- - - - -	Lanatus, Walk.
B. Alæ ad costam subcinereæ.	- - - - -	Pedanus, Walk.
C. Alæ limpidae, apice subfuscæ.	- - - - -	Nicoteles, Walk.
D. Alæ limpidae, apice subcinereæ.	- - - - -	Thalpius, Walk.
E. Alæ omnino limpidae.	- - - - -	

288. DASYPOGON AORIS.

Dasypogon Aoris, *Cat. of Diptera*, 2, 321.

289. DASYPOGON DIGENTIA.

Dasypogon Digentia, *Cat. of Diptera*, 2, 316.

290. DASYPOGON AGAVE.

Dasypogon Agave, *Cat. of Diptera*, 2, 317.

291. DASYPOGON LANATUS.

Dasypogon Lanatus, *Cat. of Diptera*, 2, 318.

a. Van Dieman's Land. Presented by Morton Allport, Esq.

292. DASYPOGON PEDANUS.

Dasypogon Pedanus, *Cat. of Diptera*, 2, 320.

293. DASYPOGON NICOTELES.

Dasypogon Nicoteles, *Cat. of Diptera*, 2, 320.

294. DASYPOGON THALPIUS.

Dasypogon Thalpius, *Cat. of Diptera*, 2, 317.

Group 2.

Corpus validum, elongatum, parce setosum. Facies subconvexa, dense hirta. Mystax setis nonnullis apud epistoma. Abdomen alis multo longius. Pedes robusti, valde setosi.

Forks of the cubital vein a little nearer at the base than the end of the discal areolet to the tip of the wing; fore fork slightly curved forward; hind fork almost straight; first, second and fourth externo-medial veins almost straight; third forming an acute angle at its flexure to the fourth, which it joins far from the border. Subanal joined to the anal at some distance from the border.

295. DASYPOGON BŒBIUS.

Dasypogon Bœbius, *Cat. of Diptera*, 2, 333.*Dasypogon plumbeus*, *Fabr.*?

NOTE.—*D. plumbeus* is cited, by mistake, as the name of the species preceding *D. Bœbius* in the above-mentioned Catalogue.

Group —?

A. Thorax niger. Alæ flavescentes.

A. Alæ antice infumatæ. - - - - - australis, *Macq.*

B. Alæ apice subfuscæ.

A. Abdomen subtus cinereum. - - - brachypterus, *Macq.*

B. Abdomen apice testaceum. - - - elongatus, *Macq.*

B. Thorax testaceus. - - - - - testaceus, *Macq.*

296. DASYPOGON AUSTRALIS.

Fœm. *Niger*; *abdominis segmenta marginibus posticis pallidū*;
pedes testacei; *alæ antice infumatae, postice flavescentes*.

Dasypogon australis, Macq. Dipt. Exot. i. 2, 45, 27.

New Holland.

297. DASYPOGON BRACHYPTERUS.

Fœm. *Niger*; *abdomen subtus cinereum, femora tibiaeque subtus rubra*;
alæ parvæ, subflave, apice subfuscæ.

Dasypogon brachypterus, Macq. Dipt. Exot. i. 2, 44, 26, pl. 3,
 f. 3.

New Holland.

298. DASYPOGON ELONGATUS.

Elongatus, niger; *mystax aureus*; *abdomen angustum, apice testaceum*;
pedes testacei; *alæ subflavescentes, apice subfuscæ*.

Dasypogon elongatus, Macq. Dipt. Exot. Suppl. i. 66, 45, pl. 7, f. 6
 New Holland. Sidney Island.

299. DASYPOGON TESTACEUS.

Fœm. *Testaceus*; *thorax vittis fuscis*; *mystax albidus*; *abdomen nigrum, apice testaceum*; *pedes nigri, femoribus testaceis*;
alæ flavidæ.

Microstylum testaceum, Macq. Dipt. Exot. Suppl. i. 60, 13.

New Holland.

New Zealand.

Div. I. Tibiæ anticæ apice calcaratæ.

Group 1.

Corpus mediocre, sat gracile. Caput et thorax setis paucis.
 Facies plana. Mystax setis nonnullis apud epistoma. Antenne

longæ; articulus 1us 2o longior; 3us fusiformis, arista breviminatus, 1o et 2o conjunctum vix brevior. Abdomen fere nudum, is non longius. Pedes validi, setosi.

Forks of the cubital vein nearly straight, slightly diverging from each other, their base a little nearer than the end of the discal areolet to the tip of the wing. Four externo-medial veins separate, nearly straight. Subanal vein near the anal at its tip.

300. DASYPOGON VIDUUS.

Dasyponogon viduus, *Cat. of Diptera*, 2, 354.

Group 2.

Corpus mediocre, sublineare, fere nudum. Caput thorace paullo angustius. Facies plana, nuda. Mystax setis paucis apud istoma. Antennæ longæ; articulus 1us 2o longior; 3us subearis, arista brevissima, 1o et 2o conjunctum paullo longior. Pedes validi, setis brevissimis.

Forks of the veins nearly straight, slightly diverging from each other, their base a little nearer than the end of the discal areolet to the tip of the wing. Four externo-medial veins separate, nearly straight. Subanal vein united to the anal at its tip.

301. DASYPOGON DISCUS.

Dasyponogon Discus, *White, Zool. Voy. Erebus and Terror. Cat. of Diptera*, 2, 356.

Sandwich Islands.

Group 1.

Iegapollyou, *Diptera Saundersiana*, Pt. 2, 85. See p. 452.

302. DASYPOGON SCYTHON.

Dasyponogon Scython, *Cat. of Diptera*, 2, 365.

Country unknown.

Div. I. Tibiæ antice apice calcaratæ.

Group 1.

See group 1, page 476.

- A. Alæ limpidæ. - - - - - Fossius, W
 B. Alæ subfulvæ. - - - - spectans, W

303. DASYPOGON FOSSIUS.

Dasypogon Fossius, *Cat. of Diptera*, Pt. 2, 366.

304. DASYPOGON SPECTANS.

Dasypogon spectans, *Diptera Saundersiana*, Pt. 2, 88.

Group 2.

See page 430.

A. Alæ fulvæ aut fulvo strigatæ.

A. Thorax non vittatus.

- a. Thorax flavo-fuscus. - - - - Copreus, W
 b. Thoracis discus niger. - - - festinans, W
 b. Femora ferruginea.

B. Thorax vittatus.

- a. Thorax niger, vittis duabus ferrugineis. occidens, W

- b. Thorax fuscus, vittis duabus ferrugineis. - Silanus, W

- c. Thorax ferrugineus, vittis quatuor nigris. Carvilius, W

- d. Thorax flavus, vittis quatuor piceis. inserens, W

- e. Thorax ferrugineus, vittis tribus nigris. - Allia, W

- f. Thorax fulvus, vittis tribus nigris. - Carus, W

- g. Thorax ferrugineus, vittis tribus piceis. Volcatius, W

- h. Thorax fulvus, vittis tribus piceis, ferrugineo marginatis Potitus, W

B. Alæ limpidae.

- A. Thorax vittis quinque nigris. - - - Anemetus, Walk.
- B. Thorax vittis tribus nigris. - - - Phalna, Walk.
- C. Thorax vittis tribus piceis.
- A. Abdomen ferrugineum, maculis nigris, fasciisque fulvis. Cerretanus, Walk.
- B. Abdomen piceum, fasciis ferrugineis lateribusque fulvis. Egon, Walk.

305. DASYPOGON COPREUS.

Dasypogon Copreus, *Cat. of Diptera*, Pt. 2, 326.

306. DASYPOGON FESTINANS.

Dasypogon festinans, *Diptera Saundersiana*, Pt. 2, 92.

307. DASYPOGON OCCIDENS.

Dasypogon occidens, *Diptera Saundersiana*, Pt. 2, 91.

308. DASYPOGON SILANUS.

Dasypogon Silanus, *Cat. of Diptera*, Pt. 2, 326.

309. DASYPOGON CARVILIUS.

Dasypogon Carvilius, *Cat. of Diptera*, Pt. 2, 341.

310. DASYPOGON INSERENS.

Dasypogon inserens, *Diptera Saundersiana*, Pt. 2, 91.

311. DASYPOGON VOLCATIUS.

Dasypogon Volcatius, *Cat. of Diptera*, 2, 336.

312. DASYPOGON POTITUS.

Dasypogon Potitus, *Cat. of Diptera*, 2, 327.

313. DASYPOGON ANEMETUS.

Dasypogon Anemetus, *Cat. of Diptera*, 2, 330.

314. DASYPOGON PHALNA.

Dasypogon Phalna, *Cat. of Diptera*, 2, 331.

315. DASYPOGON CERRETANUS.

Dasypogon Cerretanus, *Cat. of Diptera*, 2, 328.

316. DASYPOGON ÆGON.

Dasypogon Ægon, *Cat. of Diptera*, Pt. 2, 329.

Group 3.

See page 469.

317. DASYPOGON ACRATUS.

Dasypogon Acratus, *Cat. of Diptera*, Pt. 2, 349.

318. DASYPOGON GARAMAS.

Dasypogon Garamas, *Cat. of Diptera*, 2, 346.

Group 4.

See page 430.

319. DASYPOGON NUMICIOS.

Dasypogon Numicius, *Cat. of Diptera*, Pt. 2, 335.

320. DASYPOGON ALLIA.

Dasypogon Allia, *Cat. of Diptera*, Pt. 2, 334.

321. DASYPOGON CARUS.

Dasypogon Carus, *Cat. of Diptera*, Pt. 2, 334.

Group 5.

Corpus elongatum, fere nudum, setis nonnullis lateralibus. Facies plana. Mystax setis plurimis elongatis attenuatis. Pedes validi, setosi, breviusculi. Alæ abdomine breviores.

Fore fork of the cubital vein forming near its base a slightly obtuse angle, which emits a short branch, almost straight from thence to near its tip, where it is slightly curved forward; hind fork united to the first externo-medial near the border; first and second externo-medial veins straight; third forming a hardly obtuse angle with the præbrachial, joining the fourth at some distance from the border. Subanal united to the anal near the border.

322. DASYPOGON MARICUS.

Dasypogon Maricus, *Cat. of Diptera*, Pt. 2, 350.

Group —?

- A. Thorax niger.
 A. Thorax fascia alba. - - - luctuosus, Macq.
 B. Thorax fasciis quatuor fulvis. - - - annulatus, Macq.
 B. Thorax fuscans. - - - gracilis, Macq.
 C. Thorax pallidus, vittis fuscis.
 A. Abdomen fuscum. - - - angustiventris, Macq.
 B. Abdomen nigrum, fasciis luteis. - - - decorus, Macq.

323. DASYPOGON LUCTUOSUS.

Niger; mystax albus; thorax albo fasciatus et maculatus; abdomen utrinque punctis quinque albis; alæ fuscæ, linea alba.

Dasypogon luctuosus, Macq. Dipt. Exot. i. 2, 39, 16.

Allied to *D. albo-notatus*, Wied.

324. DASYPOGON ANNULATUS.

Fœm. *Niger; thorax fulvo quadriannulatus; abdominis segmentis fulvo fasciata; pedes fulvi; alæ subcinereæ.*

Dasypogon annulatus, Macq. Dipt. Exot. i. 2, 38, 14,

325. DASYPOGON GRACILIS.

Fœm. *Gracilis, niger; antennæ basi coarctatae; thorax fuscus; abdomen nitidum; pedes fusco-fulvi; alæ rufescentes.*

Dasypogon gracilis, Macq. Dipt. Exot. i. 2, 39, 15, pl. 3, f. 4.

326. DASYPOGON ANGUSTIVENTRIS.

Mas. *Flavidus; mystax flavus; thorax vittis fuscis; abdomen angustum, elongatum, fuscanum; pedes fulvi; alæ flavide, apice subfuscæ.*

Dasypogon angustiventris, Macq. Dipt. Exot. Suppl. 1, 65, 43, pl. 6, f. 9.

327. DASYPOGON DECORUS.

♂em. *Luteus*; *thorax fusco vittatus*; *abdomen nigrum, luteo fasciatum*; *pedes fulvi, femoribus posterioribus basi nigris*; *alæ fuscaneæ, fulvo bimaculatae*.

pogon decorus, Macq. *Dipt. Exot.* i. 2, 40, 17, pl. 3, f. 1.

Div. II. Tibiæ antice non calcaratae.

Group 1.

ostylum, Macq.

328. DASYPOGON APHIDAS.

pogon Aphidas, *Cat. of Diptera*, Pt. 2, 306.

♂r. ? *Niger*; *abdomen fulvum*; *alæ fuscaneæ*.

ostylum rufiventre, Macq. *Dipt. Exot.* i. 2, 31, 10.

Group 2.

Group of D. Scheno. See p. 455.

329. DASYPOGON AGATHYLLUS.

pogon Agathyllus, *Cat. of Diptera*, Pt. 2, 319.

Group 3.

Discocephala affinis. Corpus fere nudum. Caput breve. Ies plana. Mystax setis quatuor apud epistoma. Proboscis is, subarcuata. Pedes breves, graciles, parum setosi. Alæ sat gæ.

Fore fork of the cubital vein almost straight, slightly curved near each end; hind fork hardly undulating; first externo-medial vein undulating; second, third and fourth hardly undulating; third very remote from the fourth. Subanal joining the anal very far from the border.

330. DASYPOGON COON.

Dasypogon Coon, *Cat. of Diptera*, Pt. 2, 353.

Group 4.

Corpus validum. Caput subtus et thoracis latera dense hirta. Facies apud epistoma subconvexa. Mystax setis plurimis. Proboscis robusta, recta. Antennarum articulus 3us lanceolatus, vix stylatus. Alæ abdomine vix longiores.

Forks of the cubital vein rather short; fore fork much curved near its base, nearly straight from thence to its tip; hind fork slightly inclined towards the first externo-medial vein; first and second externo-medial veins almost straight; third inclined towards the fourth, but at some distance from it on the border. Subanal united to the anal on the border.

331. DASYPOGON BARRUS.

Dasypogon Barrus, *Cat. of Diptera*, Pt. 2, 353.

Group 5.

Corpus parvum, fere nudum. Facies fere plana. Mystax dense setosus. Proboscis longiuscula. Pedes validi, breviusculi, hirti, setosi. Alæ abdomine paullo breviores.

Forks of the cubital vein and the four externo-medial veins nearly straight; third externo-medial remote from the fourth. Subanal near the anal on the border.

332. DASYPOGON APHIDNUS.

Dasypogon Aphidnus, *Cat. of Diptera*, Pt. 2, 360.

Group — ?

- . Alæ nigræ. - - - - - funebris, Macq.
- . Alæ fuscæ. - - - - - fuscipennis, Macq.
- . Alæ hyalinæ. - - - - - claripennis, Macq.

333. DASYPOGON FUNEBRIS.

Mas. *Ater, gracilis; thorax albo lineatus; alæ nigræ, basi postice hyalinae.*

Dasypogon funebris, Macq. Dipt. Exot. i. 2, 47, 32.

334. DASYPOGON FUSCIPENNIS.

Mas. *Niger; alæ fuscæ.*

*Microstylum fuscipennis, Macq. Dipt. Exot. i. 2, 30, 9.
Dasypogon nigricauda, Var.? Wied.*

335. DASYPOGON CLARIPENNIS.

Fœm. *Niger; facies alba; mystax flavicans; alæ hyalinæ, venis externo-mediis 3a et 4a non connexis.*

Dasypogon claripennis, Macq. Dipt. Exot. i. 2, 47, 33.

Div. — ?

A. Thorax niger.

- A. Alæ nigræ. - - - - - Nomada, Wied.
- B. Alæ fuscæ. - - - - - lugubris, Wied.
- C. Alæ flavescentes, antice fuscæ. - - - Histrio, Wied.
- D. Alæ limpidæ. - - - - - nitens, Wied.
- 3. Thorax canescens, fusco vittatus. - - - tæniatus, Wied.
- 4. Thorax clavidus.
 - A. Antennæ ferrugineæ. - - - - - fenestratus, Wied.
 - B. Antennæ nigræ. - - - - - difficilis, Wied.

336. DASYPOGON NOMADA.

Fœm. *Ater; antennæ elongatæ; abdomen saturate flavum, basi albo cinctum; alæ nigrae, basi limpidae.*

Dasypogon Nomada, Wied. Auss. Zweifl. i. 397, 49.

337. DASYPOGON LUGUBRIS.

Fuliginoso-niger; alæ fuscæ. Mas.—Abdomen basi album, apice nigrum. Fœm.—Abdomen ferruginosum.

Dasypogon lugubris, Wied. Auss. Zweifl. i. 384, 28.

338. DASYPOGON HISTRIO.

Fœm. *Niger; antennæ, thoracis anguli, scutellum, abdominis fasciæ pedesque saturate flava; alæ subflavescentes, dimidiis costali fusco.*

Dasypogon Histrio, Wied. Auss. Zweifl. i. 400, 54.

339. DASYPOGON NITENS.

Fœm. *Niger, flavidò hirtus; abdomen utrinque vitta marginata olivaceo-flavida; tibiae flavæ; alæ limpidae.*

Dasypogon nitens, Wied. Auss. Zweifl. i. 408, 67.

340. DASYPOGON TÆNIATUS.

Mas. *Canescens; antennæ ferrugineæ; thorax fusco vittatus; abdomen macula singuli segmenti quadrata fusca, antice vitta utrinque rubida; pedes ferruginei, nigro-fusco varii; alæ subflavescentes.*

Dasypogon tæniatus, Wied. Auss. Zweifl. i. 373, 11.

341. DASYPOGON FENESTRATUS.

Fœm. *Flavidus; antennæ omnino? ferrugineæ; thorax vix vittatus; abdomen ferruginosum; pedes flavi, femoribus supra nigris; alæ fuscaneæ, vitta ad basim limpidissima.*

Dasypogon fenestratus, Wied. Auss. Zweifl. i. 377, 18.

342. DASYPOGON DIFFICILIS.

Flavidus; antennæ nigrae; thorax vix vittatus; abdomen nigricans, incisuris ferrugineis; pedes flavi, femoribus supra nigris; alæ fuscaneæ, vitta ad basim limpidissima.

Dasypogon difficilis, Wied. Auss. Zweifl. i. 378, 19.

Genus 4. PSEUDORUS.

Antennarum articulus 3us dilatatus, 1o et 2o conjunctim fere triplo longior. Thoracis dorsum gibbosum, antice porrectum.

Pseudorus, Diptera Saundersiana, Pt. 2, 103.

Third externo-medial vein approaching very near to the fourth on the border of the wing; subanal united to the anal at some distance from the border.

1. PSEUDORUS PICEUS.

Pseudorus piceus, Diptera Saundersiana, Pt. 2, 103, pl. 4, f. 5.

South America.

Genus 5. BRACHYRHOPALA.

Corpus breve, fere nudum. Mystax simplex. Proboscis porrecta. Palpi breves, tenues. Antennæ vix capitis longitudine, basi vix villosæ; articulus 3us lo triplo longior, supra fere rectus, subtus paullo convexus, basi attenuatus. Abdomen obclavatum. Tibiæ antice calcaratæ. Alarum venæ externo-mediæ 3a et 4a apud marginem remotæ; subanalis et analis valde approximatæ, non conjunctæ.

Brachyrhopala, Macq. Dipt. Exot. Suppl. 2, 35.

Forks of the cubital vein and the four externo-medial veins almost straight; third externo-medial very remote from the fourth; subanal near the anal on the border.

1. BRACHYRHOPALA RUFICORNIS.

Fœm. ? *Nigra, nitida; antennæ pedesque fulva; scutellum tincteum; abdomen fasciis flavis; alæ dimidio costali fuscane.*

Brachyrhopala ruficornis, Macq. Dipt. Exot. Suppl. 2, 36, 1, pl. 1, f. 7.

a. Tasmania. From Mr. Saunders' collection.

Genus 6. EUSCELIDIA.

Caput mediocre, transversum, thorace parum latius. Proboscis porrecta acuta, capitis longitudine. Palpi breves, seta longitudinis proboscidis terminati, facies parum obliqua, epistomate barbata. Antennæ breves, graciles, articulo 3o duobus basalibus conjunctim fere duplo longiore, apice acuminato, arista brevi, setiformi, subbiarticulata. Thorax brevis, ovatus. Alæ subangustæ. Abdomen longum, gracile, clavatum, basi hirsutum. Pedes anteriores graciles. Femora postica clavata, valde hirsuta, tibiis posticis elongatis subrectis; tarsis omnibus raptoris, 1o articulis subtus spinosis, ultimo majori subincurvo, unguibus valde elongatis et acutis.

Euscelidia, Westw. Trans. Ent. Soc. Lond. v. 232.

1. EUSCELIDIA RAPAX.

Nigra, thoracis latera cinerea; abdomen fulvo fasciatum, femora postica tibiaeque fulva.

Euscelidia rapax, Westw. Trans. Ent. Soc. Lond. v. 232, pl. 23, f. 4.

Tropical Africa?

Genus 7. DOLICHOSES.

Caput non depresso: antennæ arista brevi: abdomen longissimum, non petiolatum.

Dolichodes, *Macq. Dipt. Exot.* i. 2, 49.

General structure of the wing-veins like that of *Dasypogon*. Third externo-medial vein inclined towards the fourth, but at some distance from it on the border; subanal united to the anal on the border.

1. *DOLICHOSES FERRUGINEUS*.

Mas. *Ferrugineus*; thorax fusco trivittatus; abdominis incisurae pallidæ; alæ flavescentes.

Dolichodes ferruginea, *Macq. Dipt. Exot.* i. 2, 49, 1, pl. 4, f. 1.
Brazil.

Genus 8. DISCOCEPHALA.

Caput depresso; antennæ arista brevi; abdomen longitudine mediocri, non petiolatum.

Discocephala, *Macq. Dipt. Exot.* i. 2, 50.
Dasypogon, *Fabr.*; *Wied.*

Structure of the wing-veins like that of *Dasypogon*. Third externo-medial vein remote from the fourth on the border; subanal united to the anal.

North America.

1. *DISCOCEPHALA RUFIVENTRIS*.

Fusca, *palpi et mystax fulvi*; *antennæ nigrae*; *abdomen et pedes fulva*; *alæ nigricantes*.

Discocephala rufiventris, *Macq. Dipt. Exot.* i. 2, 50, 1, pl. 4, f. 2.
Dasypogon Aeta, *Cat. of Diptera*, Pt. 2, 362.
Carolina.

2. DISCOCEPHALA AMASTRIS.

Dasygogon Amastris, *Cat. of Diptera*, Pt. 2, 362.

Fore fork of the cubital vein almost straight, slightly curved at its base; hind fork and first externo-medial vein straight; second externo-medial slightly curved; third inclined towards the fourth, but remote from it on the border; subanal joining the anal on the border.

Mexico.

3. DISCOCEPHALA NITIDUS.

Lutea, nigro vittata; abdomen utrinque albidum; alæ infumatae.

Dasygogon nitidus, *Wied. Auss. Zweifl.* ii. 643, 60.

South America.

- | | | |
|---|---------|--------------------------|
| A. Thorax dorso rufa. | - - - - | rufithorax, <i>Wied.</i> |
| B. Thorax flavo quadrivvittatus. | - - - - | oculata, <i>Fab.</i> |
| C. Thorax flavo bivittatus. | - - - - | albo-atra, <i>Walk.</i> |
| D. Thorax totus ater. | | |
| A. Alæ limpidæ, triente basilari nigra. | - - - | nigrita, <i>Fab.</i> |
| B. Alæ nigro-fuscæ, triente apicali sublimpida. | - | apicalis, <i>Walk.</i> |

4. DISCOCEPHALA RUFITHORAX.

Niger; thoracis dorsum et femora anteriora rufa; alæ fuscæ nigrae, dimidio apicali pallidiore.

Dasygogon rufithorax, *Wied. Auss. Zweifl.* i. 410, 72.

Brazil.

Var. β . *Femora anteriora nigra. Alæ dimidio apicali limpido.*

a. Parà. From Mr. Bates' collection.

5. DISCOCEPHALA OCULATA.

Nigro-fusca ; thorax vittis duabus margineque luteis ; alæ fuscae.

ioctria oculata, Fabr. Syst. Anil. 151, 12.

asyponogon oculatus, Wied. Dipt. Exot. i. 230, 31 ; Auss. Zweifl. i. 412, 76.

asyponogon Agalla, Cat. of Diptera, Pt. 2, 361.

Fore fork of the cubital vein almost straight, slightly curved at base; hind fork and the first and second externo-medial veins straight; third remote from the fourth, which is very slightly undulating; subanal united to the anal very near the border.

Brazil.

6. DISCOCEPHALA ALBO-ATRA.

scocephala albo-atra, Diptera Saundersiana, Pt. 2, 100, pl. 3, f. 8.

Brazil. From Mr. Saunders' collection.

7. DISCOCEPHALA NIGRITA.

Atra ; alæ limpidae, triente basilari nigra.

ioctria nigrita, Fabr. Syst. Anil. 152, 13. Wied. Dipt. Exot. i. 180, 2 ; Auss. Zweifl. i. 366, 4.

South America.

8. DISCOCEPHALA APICALIS.

Atra ; alæ nigro-fuscae, triente apicali sublimpida, apice fusca.

Body, antennæ and legs black. Wings blackish brown; apical part nearly limpid, with the exception of the extreme tips, which are brown. Length of the body $2\frac{1}{2}$ lines; of the wings 5 lines.

West Coast of America. Presented by Capt. Kellett and Lieut. Wood.

Mas et

Dasytopogon
23.

Dasytopogon
Dasytopogon

Germany.

Nigricans
rufus
latifolius
fastigiatus
fusiformis

Dasytopogon
199.

Grandes-L.

Note.
Dasytopogon

Aspect
similis. A
vissimus;
at densa et
gracili; til
Mas.—Sex

Eriopogon.

Mas.
Agua

Dasytopogon
487, 2

Portugal.

es and with tawny hairs; hinder part ferruginous. Abdomen thickly clothed with long and short red hairs; tip black. stout, shining; femora slightly incrassated; tibiae subclavate, black towards the tips; metatarsi long, slightly dilated; mes and onychia of moderate size; middle tibiae with short stout hairs. Wings blackish brown, rather paler along the hind border. Fingers yellow. Length of the body 5 lines; of the wings 10.

Port Natal. From Mr. Stevens' collection.

East Indies.

13. DISCOCEPHALA PRYTANIS.

sympogon Prytanis, *Cat. of Diptera*, Pt. 2, 363.

Forks of the cubital vein and the four externo-medial veins very straight; third externo-medial vein remote from the fourth. Subanal vein united to the anal very far from the border.

Genus 9. CABASA.

Antennarum articulus 2us 1o multo brevior; 3us linearis, sub-
status, 1o et 2o conjunctim multo longior.

thasa, *Diptera Saundersiana*, Pt. 2, 100.

Forks of the cubital vein and the four externo-medial veins very straight; third externo-medial vein slightly inclined towards the fourth, but at some distance from it on the border; subanal vein joining the anal on the border.

1. CABASA PULCHELLA.

Niger; thorax ruber; abdomen maris violaceum; alæ fuscæ.

sympogon pulchellus, *Macq. Dipt. Exot. Suppl.* 1. 62, 37, pl. 7,
f. 9.

mania.

Cabasa rufithorax, *Diptera Saundersiana*, Pt. 2, 100, pl. 3,
f. 5.

New South Wales. From Mr. Saunders' collection.

2. CABASA VENNO.

Dasyptogon Venno, *Cat of Diptera*, Pt. 2, 359.

Genus 10. SENOBASIS.

Antennæ arista brevi. Oculi remoti. Abdomen petiolatum.
Alæ areola mediastinali aperta.

Senobasis, Macq. *Dipt. Exot.* i. 2, 52, 9.

Third externo-medial vein united to the fourth, and subanal
vein united to the anal, at some distance from the border.

1. SENOBASIS ANALIS.

Mas. *Nigra*; antennæ basi testacea; thoracis latera fulvo vi-
tata; abdomen fulvum, apice nigrum; pedes fulvi; ale
flavidae, apice fuscæ.

Senobasis analis, Macq. *Dipt. Exot.* i. 2, 53, 1, pl. 5, f. 1.

Brazil.

2. SENOBASIS FENESTRATA.

Fœm. *Nigra*; thoracis latera, scutellum, abdomen basi, pedesque
fulva; alæ fuscæ.

Senobasis fenestrata, Macq. *Dipt. Exot.* i. 2, 53, 2.

Brazil.

Genus 11. PLESIOMMA.

Antennæ breves. Oculi fere contigui. Abdomen petiolatum.
Alæ areola mediastinali aperta.

Plesiomma, Macq. *Dipt. Exot.* i. 2, 54, 10.

Third externo-medial vein much inclined to the fourth, and
approaching near to it on the border; subanal united to the anal
very near the border.

1. PLESIOMMA TESTACEA.

Mas. *Testacea*; *antennæ fulvæ*; *thorax nigro subvittatus*; *abdomen fulvum*, *fusco fasciatum*; *pedes fulvi*, *tibiis posticis femoribusque fuscis*; *tibiæ basi flavae*; *ala fuscana*.

Plesiomma testacea, Macq. *Dipt. Exot.* i. 2, 55, 1, pl. 5, f. 2.

2. PLESIOMMA NIGRA.

Mas et Fœm. *Nigra*; *abdomen cyaneo-nigrum*; *pedes obscure fusi*; *ala flavida*, *basi costaque fuscans*.

Plesiomma nigra, Macq. *Dipt. Exot.* i. 2, 55, 2.
Dasypteron fuliginosus? Wied.

Brazil.

A D D E N D A.

Page 386.

DIOCETRIA OCHROCERA.

Subcinerea; mystax niger; antennarum articuli duo terminalia ochraceo-lutei; thoracis dorsum subbilineatum; abdomen nigrum nitidum, segmentis 2—5 postice utrinque linea transversa alba; tibiæ apice tarsique pilis intermixtis rufis; alæ ad costam subfumosæ; halteres flavi.

Dioctria ochrocera, Duf. Ann. Soc. Ent. Fr. 2me Str. x. 9, pl. 1,
No. 1, f. 21—23.

Madrid.

Page 389.

Genus PHELLUS.

Mystax densissime setosus. Proboscis brevis, recta, valida. Antennarum articulus 1us 2o duple longior; 3us sublinearis; arista brevissima, 1o plus triplo longior. Abdomen basi longe pilosum. Pedes pilosi; tibiæ tarsique postica ciliata.

Phellus, Diptera Saundersiana, Pt. 2, 110.

Fore fork of the cubital vein slightly curved, emitting a long branch towards the base of the wing; hind fork very slightly undulating; first and second externo-medial veins very slightly curved; third forming a hardly acute angle with the *præbrachial*, joining the fourth at a long distance from the border; *subanal* joining the anal very far from the border.

This genus is very nearly allied to *Dasypogon*, and especially to the group *Microstylum*.

1. PHELLUS GLAUCUS.

Phellus glaucus, *Diptera Saundersiana*, Pt. 2, 110, pl. 4, f. 6.
a, b. Swan River. From Dr. Bacon's collection.

Page 424.

DASYPOGON TRIFASCIATUS.

a. United States? From Mr. Saunders' collection.

Page 428.

DASYPOGON ? CEPPHICUS.

Nigra; *facies argentea*; *arista biarticulatae*.

Dasypogon cepphicus, *Say, Journ. Acad. Nat. Sci. Philad.* vi. 158.
Mexico.

DASYPOGON NITIDUS.

Luteus, nigro vittatus; *abdomen utrinque albidum*; *pedes nigro-fusci, femoribus basi flavescentibus*; *alæ infumatae*.

Dasypogon nitidus, *Wied. Auss. Zweifl.* ii. 643, 60.
Mexico.

Page 432.

DASYPOGON RUFIVENTRIS.

Var.? *Nigra*; *facies testacea*; *abdomen rufum, basi maculisque dorsalibus nigricantibus*, *femora anteriora obscure rufa*; *femora tibiaeque postica rufa, apice nigra*; *alæ cinereæ, venis nigris basi et apud costam fulvis*.

Body stout, thinly pubescent, nearly bare. Face slightly convex towards the epistoma. Mystax with a few hairs and bristles.

Proboscis stout, lanceolate. Third joint of the antennæ tapering from the base to the tip, which is very pointed and slender. Abdomen long-obconical. Legs stout. Forks of the cubital vein and first and second externo-medial veins nearly straight; third externo-medial inclined towards the fourth, but at some little distance from it on the border; subanal joining the anal on the border.

a. Parà. From Mr. Bates' collection.

Page 433.

DASYPOGON EXAMINANS.

a. Parà. From Mr. Stevens' collection.

Page 433.

DASYPOGON LEPTOGASTER.

Fuscus; abdomen pallidius, basi coarctatum; alæ ad marginem anticum late et sordide ferrugineaæ, postice hyalinaæ.

Laphria leptogaster, Perty, *Delect. Anim. Artic. Bras.* 130, pl. 36, f. 2.

Bahia.

DASYPOGON COARCTATUS.

Ferrugineus; thorax fuscus, lateribus scutelloque flavis striæ media ferruginea; abdomen basi coarctatum, segmentorum 3o ad 7um marginibus posticis flavis; alæ subferrugineaæ, obsolete fusco nubilæ.

Laphria coarctata, Perty, *Delect. Anim. Artic. Bras.* 131, pl. 36, f. 4.

Dasyponus castaneus? Macq.

Rio Negro.

Page 433.

Group 4.

Corpus fere nudum. Facies plana. *Mystax setis sex aut octo.* Proboscis longiuscula, lanceolata. *Antennarum articulus 3us sub-*

avatus, 10 et 20 conjunctim vix longior. Abdomen longi-lanceatum. Pedes validi, setis paucis.

Forks of the cubital vein and the four externo-medial veins early straight; third externo-medial slightly inclined towards the fourth, but remote from it on the border.

DASYPOGON DISCOLOR.

Obscure fuscus; caput, thoracis vittæ duas, pectus et venter albido tomentosa; antennæ et pedes nigra, hi testaceo varii; ale subcinereæ.

Dark brown. Head, pectus, under side of the abdomen and oxe with whitish tomentum. Proboscis and antennæ black. Thorax with two stripes of whitish tomentum. Legs black; tibiae and under side of the femora testaceous; tips of the anterior tibiae and apical half of the hind femora black. Wings slightly grayish; veins black. Halteres testaceous. Length of the body $3\frac{1}{2}$ lines; of the wings 6 lines.

— ?

Page 473.

Group Microstylum, Macq.

See page 451.

DASYPOGON SORDIDUS.

Nigro-fuscus; antennæ nigrae; pectus canum; abdomen fulvo-fuscum; ale cinereo-fusca.

Blackish brown. Head with black hairs behind, with white hairs beneath. Mystax with a few white bristles. Antennæ black. Pectus hoary. Abdomen tawny brown, pubescent, and with whitish hairs, which are most prevalent towards the base. Sexualia piceous. Legs with whitish hairs and with black bristles; onychia tawny. Wings grayish brown; veins black. Length of the body 11 lines; of the wings 16 lines.

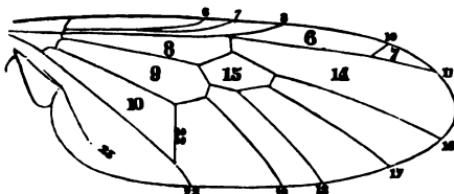
i. China. From Mr. Stevens' collection.

Page 486.

DASYPOGON PHALNA.

a. Santarem. From Mr. Bates' collection.

Fig. A.—*SARGUS.*



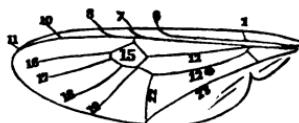
AREOLETS.

- | | |
|------------------|----------------|
| 6. Cubital, 1st. | 10. Anal. |
| 7. Cubital, 2nd. | 14. Subapical. |
| 8. Præbrachial. | 15. Discal. |
| 9. Pobrachial. | |

VEINS.

- | | |
|---|--|
| 6. Mediastinal vein. | 11. Second branch vein, or 2nd cubital vein. |
| 7. Subcostal vein. | 16—19. Extero-medial veins. |
| 8. Radial vein. | 20. Subanal vein. |
| 10. First branch vein, or 1st cubital vein. | 23. Anal vein. |
| | 25. Subaxillary vein. |

Fig. B.—*SARGUS CUPRARIUS.*



AREOLET.

15. Discal.

VEINS.

- | | |
|-------------------------|-----------------------------|
| 1. Humeral veinlet. | 12. Præbrachial vein. |
| 6. Mediastinal vein. | 12*. Pobrachial vein. |
| 7. Subcostal vein. | 16—19. Extero-medial veins. |
| 8. Radial vein. | 20. Subanal vein. |
| 10. First branch vein. | 23. Anal vein. |
| 11. Second branch vein. | |

Fig. C.—*NEMOTELUS PANTHERINUS*.

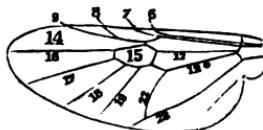
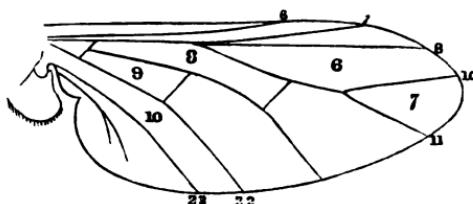


Fig. E.—ACROCERA.



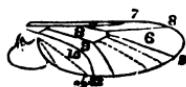
AREOLETS.

- | | |
|------------------|----------------|
| 6. Cubital, 1st. | 9. Pobrachial. |
| 7. Cubital, 2nd. | 10. Anal. |
| 8. Prebrachial. | |

VEINS.

- | | |
|------------------------|-------------------------|
| 6. Mediastinal. | 11. Second branch vein. |
| 7. Subcostal vein. | 22. Subanal vein. |
| 8. Radial vein. | 23. Anal vein. |
| 10. First branch vein. | |

Fig. F.—HENOPS.



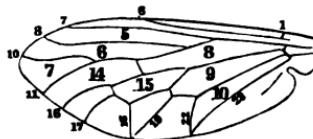
AREOLETS.

- | | |
|------------------|----------------|
| 6. Cubital, 1st. | 9. Pobrachial. |
| 8. Prebrachial. | 10. Anal. |

VEINS.

- | | |
|--------------------|-------------------|
| 7. Subcostal vein. | 22. Subanal vein. |
| 8. Radial vein. | 23. Anal vein. |
| 9. Cubital vein. | |

Fig. G.—*DASYPOGON PUNCTATUS*.



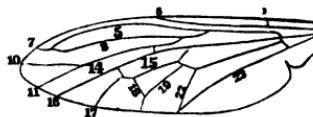
AREOLETS.

- | | |
|------------------|----------------|
| 5. Radial. | 9. Pobrachial. |
| 6. Cubital, 1st. | 10. Anal. |
| 7. Cubital, 2nd. | 14. Subapical. |
| 8. Präbrachial. | 15. Discal. |

VEINS.

- | | |
|------------------------|-----------------------------|
| 1. Humeral veinlet. | 11. Second branch vein. |
| 6. Mediastinal vein. | 16–19. Extero-medial veins. |
| 7. Subcostal vein. | 22. Subanal vein. |
| 8. Radial vein. | 23. Anal vein. |
| 10. First branch vein. | |

Fig. H.—*LAPHRIA GILVA*.



AREOLETS.

- | | |
|----------------|-------------|
| 5. Radial. | 15. Discal. |
| 14. Subapical. | |

VEINS.

- | | |
|------------------------|-----------------------------|
| 1. Humeral veinlet. | 11. Second branch vein. |
| 6. Mediastinal vein. | 16–19. Extero-medial veins. |
| 7. Subcostal vein. | 22. Subanal vein. |
| 8. Radial vein. | 23. Anal vein. |
| 10. First branch vein. | |

L I S T
OF THE
S P E C I M E N S
OF
D I P T E R O U S I N S E C T S
I N
THE C O L L E C T I O N
OF THE
B R I T I S H M U S E U M.

P A R T V I I .

S U P P L E M E N T I I I .

PRINTED BY ORDER OF THE TRUSTEES.
LONDON, 1855.

LONDON :
PRINTED BY EDWARD NEWMAN,
9, DEVONSHIRE ST., BISHOPSGATE.

JNTRODUCTION.

THE principal object of the present Catalogue has been to give a complete list of the specimens of Dipterous Insects contained in the collection of the British Museum, indicating at the same time the peculiarities of each, as regards variations of character, locality, and the source from whence it has been derived. With this view, the different individuals of each species contained in the collection are indicated by the letters *a*, *b*, *c*, &c., following the name of the species and its synomyms, and the description, if it appeared to have been before undescribed.

The Catalogue of Dipterous Insects has been prepared and the new species described by Mr. FRANCIS WALKER, F.L.S., so well known for his attention to this order of Insects.

This part contains a revision of the rest of the family *Asilidae*, with a description of the species added since the former parts were printed.

JOHN EDWARD GRAY.

British Museum,
March 19th, 1855.



1



LIST OF DIPTERA.

SECOND SERIES.

PART III.

Sub-family 3. LAPHRITES.

Ocelli tres. Antennæ 3-articulatæ; arista ssepissime nulla.
larum vena radialis subcostali ad apicem connexa.
aphritæ, Macq.

- | | |
|---|---------------------------|
| . Caput mystax nullo. - - - - | 1. <i>Megapoda, Macq.</i> |
| i. Caput mystacinum. | |
| A. Oviductus brevis. | |
| ▲. Antennæ capite medio insertæ. | |
| ▲. Antennarum articulus 3us nudus. | |
| i. Corpus non punctatum. Alarum venula discalis et
vena externo-media 3a disjunctæ.* | |
| 1. Abdomen basi non contractum. | |
| * Femora postica anterioribus valde crassiora. | |
| † Palpi lati, ovati, acuminati. | |
| 2. <i>Hoplistomera, Macq.</i> | |
| †† Palpi gracillimi. - - - | 3. <i>Lampria, Macq.</i> |
| ** Femora postica anterioribus non crassiora. | |
| † Arista nulla. | |
| ‡ Antennarum articulus 3us lo paullo longior. | |
| 6. <i>Nusa, Walk</i> | |

* In Laphriâ scapulari conjunctæ.

Antennarum articulus 3us lo multo longior.

§ Fœminæ abdomen apice spinosum.

5. Scandon, Walk.

§§ Fœminæ abdomen apice non spinosum.

* Antennæ non capitatae. - - - 4. Laphria, Macq.

** Antennæ capitatae. - - - 7. Ampyx, Walk.

†† Arista distincta. - - - 8. Laphystia, Loew.

2. Abdomen petiolatum.

* Antennæ valde elongatae. 9. Rhopalogaster, Macq.

** Antennæ mediocriter longæ. 10. Michotamia, Macq.

ii. Corpus sèpissime punctatum.

† Alarum venula discalis et vena externo-media 3a plus minusve conjunctæ. 11. Atomosia, Macq.

†† Alarum venula discalis et vena externo-media 3a disjunctæ. - - - 12. Cormansia, Wall.

b. Antennarum articulus 3us villosus. 13. Laxenecera, Macq.

b. Antennæ capite infimo insertæ. 14. Tapinocera, Macq.

B. Oviductus elongatus. Venæ cubitalis ramus anticus ramulæ rejiciens. - - - 15. Phoneus, Macq.

Genus 1. MEGAPODA.

Caput mystace nullo. Epistoma bisetosum. Proboscis perfecta. Antennæ triarticulatae, non stylatae; articulus 3us obtusus. Pedes longi; onychia conspicua. Alæ areola mediastinali clausa.

Laphria, p., Fabr.; Wied.

Dasygordon, p., Perty.

Megapoda, Macq. Hist. Nat. Dipt. i. 288.

Wings long, narrow. Fore fork of the cubital vein undulating; hind fork and first externo-medial slightly curved hindward, parallel to each other; second externo-medial nearly straight; thus forming a very oblique angle with the præbrachial, joining the fourth at some distance from the border. Subanal united to the anal very near the border.

Mexico.

1. MEGAPODA CYANEIVENTRIS.

Fœm. Nigra; antennæ testacea; abdomen cyaneum; peda fusi, tarsis posticis crassis hirtis; alæ subfuscæ.

Megapoda cyaneiventris, Macq. Dipt. Exot. Suppl. i. 71, 3, pl. 7, f. 12.

Mexico.

South America.

2. MEGAPODA LABIATA.

Nigra, nudiuscula; labrum flavum; abdomen chalybeum; tarsi antici flavi; alæ fusca.

aphria labiata, Fabr.

3. MEGAPODA CRASSITARSIS.

Mas. *Testacea; pedes elongati, tarsis posticis crassis hirtis; alæ flavidæ.*

Legapoda crassitarsis, Macq. Dipt. Exot. Suppl. 1, 70, 2, pl. 7, f. 11.

Brazil.

Genus 2. HOPLISTOMERA.

Corpus non punctatum. Caput mystace conspicuo. Proscis porrecta. Palpi lati, ovati, acuminati. Antennæ triarticulatæ, on stylatæ, insertione solita; articulus 3us nudus, obtusus. Abdomen non petiolatum. Oviductus brevis. Femora postica anterioria us multo crassiora. Alarum vena cubitalis ramo antico simplici.

Hoplistomera, Macq. Dipt. Exot. i. 59.

aphria, p., Fabr.; Wied.

Body pubescent, with very few hairs and bristles. Face flat. Stytax with a few bristles. Proboscis short, stout, straight, lanceolate. Third joint of the antennæ linear, slender, very much longer than the first and the second together. Hind femora very thick, armed beneath with teeth. Radial vein curved abruptly to the subcostal. Fore fork of the cubital much curved, its curve nearly parallel to that of the radial; hind fork curved hindward, joining the first externo-medial at a short distance from the border; second externo-medial straight; third forming an almost right angle with the prebrachial, joining the fourth far from the border. Subanal united to the anal very near the border.

1. HOPLISTOMERA SERRIPES.

Nigra, fulvo hirta; femora postica incrassata serrata; alæ fusco bifasciatæ.

aphria serripes, Fabr.

tineea. Gambia. Senegal.

Genus 3. LAMPRIA.

Corpus non punctatum. Caput mystace conspicuo. Proboscis porrecta. Palpi tenuissimi. Antennæ triarticulatæ, non stylatae, insertione solita; articulus 3us nudus, obtusus. Abdomen non petiolatum. Oviductus brevis. Femora postica anterioribus multis crassiora. Alarum vena cubitalis ramo antico simplici.

Lampria, *Macq. Dipt. Exot.* i. 2, 60.

Laphria, p., *Fabr.*; *Wied.*

Body metallic, almost bare. Face convex towards the epipharynx. Mystax with a few bristles. Proboscis long, straight. Third joint of the antennæ nearly linear, slightly tapering at each end, much longer than the first and second together. Thorax with gilded tomentum. Fore fork of the cubital vein curved, nearly angular towards its base; hind fork nearly straight, slightly inclined towards the first externo-medial; second externo-medial straight; third forming an obtuse angle with the prebrachial and joining the fourth far from the border. Subanal joining the anal near the border.

Mexico.

1. LAMPRIA MEXICANA.

Mas. *Viridis, nitens; mystax niger; abdomen basi orichalceum; alæ nigrae.*

Lampria mexicana, *Macq. Dipt. Exot. Suppl.* 2, 37, 3.

- | | | |
|---------------------|-----------|---------------------------|
| A. Abdomen auratum. | - - - - - | clavipes, <i>Fab.</i> |
| B. Abdomen viride. | - - - - - | Macquartii, <i>Perth.</i> |
| C. Abdomen rufum. | - - - - - | Tolmides, <i>Walk.</i> |

2. LAMPRIA CLAVIPES.

Aurata; thorax apice niger; pedes ænei, femoribus posticis clavis dentatis.

Laphria clavipes, *Fabr.*

a. Tapayos, Brazil. From Mr. Bates' collection.

3. LAMPRIA MACQUARTII.

Nigra; oculi albo semicincti; thorax aureo-cupreus; abdominis dorsum viride; femora postica subtus dentata; alæ nigro-fuscae.

aphria Macquartii, Perty.

4. LAMPRIA TOLMIDES.

aphria Tolmides, Cat. of Diptera, Pt. 2, 377.

Asia.

5. LAMPRIA ENEA.

Chalybea; mystax auratus; abdomen incisuris utrinque albis; alæ nigro-fuscae.

aphria enea, Fabr. Syst. Antl. 161, 23. Wied. Dipt. Exot. i. 238, 11; Auss. Zweifl. i. 515, 28.

aphria colorata, Boisd. Voy. de l'Astrolabe, Atlas, Ent. pl. 12, f. 11.

ampria enea, Macq. Dipt. Exot. i. 2, 61, 1, pl. 6, f. 1.

ava. Amboina. Solomon's Isles. New Zealand.

, b. Java. From the East India Company's collection.

6. LAMPRIA AURIBARBIS.

Mas. Violacea; mystax barbaque aurata; pedes flavo pilosi; alæ antice hyalinæ, postice fuscae.

ampria auribarbis, Macq. Dipt. Exot. Suppl. 3, 22, 4.

ava.

Genus 4. LAPHRIA.

Corpus non punctatum. Caput mystace conspicuo. Proboscis correcta. Antennæ triarticulatæ, non stylatæ, insertione solita; articulus 3us nudus obtusus. Abdomeu non petiolatum. Oviductus brevis. Femora postica anterioribus non crassiora. Alarum vena subitalis furca antica simplici.

Laphria, Fabr. Syst. Antl.; Latr.; Fall.; Wied.; Meig.; Curt.; Macq.; Zell.; Loew; Zett.

Asilus p., Linn.; Geoffr.; Deg.; Fabr. Ent. Syst.; Schr.; Gmel. Laphria et Chærades, Walk.

Europe.

- A. Alarum vena radialis et venæ cubitalis furca antica venula transversa conjunctæ. maroccana, *Fabr.*
- B. Alarum vena radialis et venæ cubitalis furca antica non conjunctæ. Venæ cubitalis furca postica et vena externo-media la disjuncta.
- A. Pedes nigri.
- A. Thoracis abdominisque latera flava. Tibiæ albo hirtæ. pallidipennis, *Brullt.*
- B. Caput et abdomen aureo pilosa. aurea, *Fabr.*
- c. Abdominis segmenta 4um et 5um aureo tomentosa. dizonias, *Loew.*
- d. Abdominis segmenta tria antica nigro pilosa, tria postica flavido tomentosa. gibbosa, *Linn.*
- e. Nigro pilosa; thorax postice et scutellum flavido pilosa. ephippium, *Fabr.*
- f. Flavo hirta; pilis nigris admixtis; maculæ humerales nullæ. flava, *Linn.*
- g. Nigra; abdominis dorsum fulvo tomentosum.
- a. Alæ fuscescentes.
- i. *Mystax flavescens.* ignea, *Meig.*
- ii. *Mystax niger.* limbata, *Macq.*
- b. Alæ fulvescentes. gilva, *Linn.*
- h. Nigra; thorax postice et abdomen flavo villosa. flavescens, *Macq.*
- i. Nigra; abdominis segmenta 3o ad 6um utrinque fulva. dimidiata, *Loew.*
- j. Nigra; abdominis dorsum postice fulvo maculatum. erythrura, *Loew.*
- k. Aureo pilosa; maculæ humerales albicantes. proboscidea, *Loew.*
- l. Nigra; maculæ humerales nigricantes. marginata, *Linn.*
- m. Flavo pilosa; maculæ humerales nullæ. auribarbis, *Meig.*
- n. Fulvo hirsuta; femora postica externe nigro villosa. vulpina, *Meig.*
- o. Fulvo villosa; abdomen fasciis nigris. lutea, *Meig.*
- p. Abdomen fulvo hirsutum, basi album. fulva, *Meig.*
- q. Abdominis incisura albo villosæ. cincta, *Fabr.*
- R. Abdomen incisuris fulvis, basi albidum.
- a. *Mystax niger.* fimbriata, *Meig.*
- b. *Mystax flavicans.* inserta, *Loew.*
- s. Abdomen fulvo hirtum, lateribus nigro maculatis. albibarbis, *Meig.*
- t. Nigra; femora incrassata. femorata, *Meig.*
- a. Facies alba.

- b. Facies flava.* - - - - - *podagrifica, Meig.*
- u. Facies aurea.* *Abdominis incisuræ albo villosæ.* *chrysocephala, Meig.*
- v. Scutellum cinereo villosum.* *Alarum venæ infuscatae.* *Anthrax, Meig.*
- w. Scutellum canum.* *Alæ fusco-flavæ.* - *ungulata, Pallas.*
- x. Nigra;* *abdominis segmenta tria antica cano villosa* *diocriæformis, Meg.*
- y. Nigra;* *abdominis segmenta utrinque albida.* *nitidula, Fabr.*
- z. Nigra, nitida.* - - - - - *nigripeunis, Meg.*
- AA. Atra,* *albido longe villosa.* *Antennæ stylatae.* *lanigera, L. Duf.*
- BB. Nigra;* *abdomen violaceum.* - - - - - *violacea, Fabr.*
- CC. Chalybeo-nigra.* - - - - - *venatrix, Loew.*
- B. Pedes ex parte pallidi.**
- A. Abdomen non fasciatum.**
 - a. Scutellum nigrum.*
 - i. Femora tibiæque antica rufa. - - - - *rufipes, Fall.*
 - ii. Femora tibiæque antica nigra. - - - - *lapponica, Zett.*
 - iii. Tibiæ basi testaceæ. - - - - *courctata, L. Duf.*
 - b. Scutellum albidum.* - - - - *scutellaris, Hoffm.*
- B. Abdomen cingulis pallidis.**
 - a. Alæ subnigricantes.* - - - - *tibialis, Meg.*
 - b. Alæ fuscescentes.* - - - - *glaucia, Fabr.*
 - c. Alæ basi flavo-fuscescentes.* - - - - *flavincincta, Hoffm.*
- C. Alarum venæ cubitalis furca postica et vena externo-media la connexæ.** - - - - - *atra, Linn.*

1. LAPHRIA MAROCCANA.

Nigra, fulvo hirsuto; femora nigro hirsuta; tibiæ fulvæ; alæ fuscescentes, basi costaque fulvis; halteres flavi.

Laphria maroccana, Fabr., Lucas, Ann. Soc. Ent. Fr. 2me Sér. vi. Bull. lxxxii. Macq. Expl. Scient. Alg. iii. Ins. 432, 50.

South Europe and North Africa.

a. River Niger. From Mr. Stevens' collection.

2. LAPHRIA PALLIDIPENNIS.

Nigra; facies flavescens; mystax niger, flavo varius; thoracis abdominisque latera flava; tibiæ pilis sordide albis hirsutæ, anticæ intus pube aurea; alæ limpidæ, basi subfuscantes.

Laphria pallidiennis, Brullé, Exped. Scient. de Morée, iii. 2, 292, 629. Macq. Hist. Nat. Dipt. i. 284, 17.

Messenia.

3. LAPHRIA AUREA.

Obscure rufo-picea ; caput et abdomen aureo pilosa.

Asilus aurea, Fabr. Ent. Syst. iv. 378, 11 ; Meig. Klass. Zweifl. i. 166, c.

Laphria aurea, Fabr. Syst. Anil. 168, 9.

South France. Greece. Asia Minor.

4. LAPHRIA DIZONIAS.

Fœm. *Obscure rufo-picea ; facies abdominisque segmenta 4um et 5um aureo tomentosa ; alæ antice fulvescentes, postice cinerascentes.*

Laphria dizonias, Loew, Linn. Ent. ii. 542, 3.

Telmessus, Sicily.

5. LAPHRIA GIBBOSA.

Mas et Fœm. *Nigra ; abdominis segmenta tria anteriora nigro pilosa, tria posteriora flavido tomentosa.*

Asilus gibbosus, Linn.

North and Central Europe. South Russia.

6. LAPHRIA EPHIPPİUM.

Mas et Fœm. *Nigra, nigro pilosa ; thorax postice et scutellum flavido pilosa ; alæ ad costam fuscescentes ; halteres fusi.*

Laphria ephippium, Fabr.

North and Central Europe.

7. LAPHRIA FLAVA.

Mas et Fœm. *Nigra, flavo hirta, pilis nigris in capite, thoraci parte anteriore, femoribusque admixtis ; maculæ humerales nullæ ; alæ venis infuscatis ; halteres flavi.*

Asilus flavus, Linn.

North and Central Europe.

8. LAPHRIA IGNEA.

Nigra ; mystax flavescens, setis nonnullis nigris ; abdominis dorsum breviter fulvo tomentosum ; alæ fuscescentes ; halteres fulvi.

Laphria ignea, Meig.

North and Central Europe.

9. LAPHRIA LIMBATA.

Mas. *Nigra ; facies albido tomentosa ; mystax totus niger ; thorax cinereo hirtus ; abdomen late fulvo hirtum, marginibus nigris ; alæ fuscescentes, basi limpidae.*

Laphria limbata, Macq. Hist. Nat. Dipt. i. 287, 31.

France.

10. LAPHRIA GILVA.

Mas et Fœm. *Nigra ; mystax niger, pilis nonnullis albis ; abdominis dorsum breviter fulvo tomentosum ; alæ fulvescentes ; halteres fulvi.*

Asilus gilvus, Linn.

North and Central Europe.

11. LAPHRIA FLAVESCENS.

Mas. *Nigra ; mystax barbaque flava ; thorax postice abdomineque flavo villosa.*

Laphria flavescens, Macq. Dipt. Exot. i. 2, 69, 16.

Pyrenees.

12. LAPHRIA DIMIDIATA.

Fœm. *Nigra ; abdominis segmenta 3o ad 6um utrinque fulva ; alæ hyalinæ, apices versus subcinereæ.*

Laphria dimidiata, Loew, Linn. Ent. ii. 550, 9.

Mermeriza, Asia Minor.

13. LAPHRIA ERYTHRURA.

Fœm. *Nigra ; abdominis dorsum postice fulvo maculatum, sed parce et breviter nigro pilosum.*

Laphria erythrura, Loew, Linn. Ent. ii. 552, 10.

Mermeriza, Asia Minor.

14. LAPHRIA PROBOSCIDEA.

Fœm. *Nigra, aureo pilosa ; mystax setis nigris flavo admixtis ; maculae humerales albicantes ; alæ cinereo fuscescentes.*

Laphria proboscidea, Loew, Linn. Ent. ii. 554, 11.

Germany. Italy.

15. LAPHRIA MARGINATA.

Mas et Fœm. *Nigra*; *mystax concolor*; *maculæ humerale albinantes*.

Asilus marginatus, *Linn.*

Laphria marginata, *Guér. Icon. Régne Anim. Ins. pl. 94, f. 2.*

North and Central Europe.

16. LAPHRIA AURIBARBIS.

Mas et Fœm. *Nigra*, *flavo pilosa*; *maculis humeralibus nullis*; *antennarum articulus 2us partem 4am 1i equans*; *alæ antice fuscae*; *halteres fulvi*.

Laphria auribarbis, *Meig. Zweifl. ii. 292, 8. Macq. Hist. Nat. Nat. Dipt. i. 283, 12.*

Central and Southern Europe, and Asia Minor.

17. LAPHRIA VULPINA.

Fulvo hirsuta; *femora postica externe nigro villosa*; *alæ fuscae*; *halteres fuscii*.

Laphria vulpina, *Megerle*; *Meig. Zweifl. ii. 289, 4.*

Austria.

18. LAPHRIA LUTEA.

Fulvo villosa; *abdomen fasciis nigris*; *alæ strigis fuscescentibus*; *halteres fuscii*.

Laphria lutea, *Megerle*; *Meig. Zweifl. ii. 290, 6.*

Austria.

19. LAPHRIA FULVA.

Nigra; *facies alba*; *mystax fulvo-nigroque varius*; *abdomen fulvo hirsutum*, *basi album*; *alæ fuscæ*; *halteres fulvi*.

Laphria fulva, *Meig. Zweifl. ii. 292, 9, pl. 20, f. 21. Macq. Hist. Nat. Dipt. i. 283, 13.*

France. Germany.

20. LAPHRIA CINCTA.

Nigra; *mystax pallide flavus*; *abdominis incisuræ albo villose*; *alæ nigricantes*, *basi hyalinæ*; *halteres flavi*.

Asilus cinctus, *Fabr. Sp. Ins.* ii. 465, 29; *Ent. Syst.* iv. 387, 51.

Gmel. ed. Syst. Nat. i. 5, 2899, 36.

Asilus fuliginosus, *Panz. Faun. Ins. Germ.* liv. 21. *Meig. Klass. Zweifl.* i. 272, x.

Laphria cincta, *Fabr. Syst. Anil.* 163, 31. *Meig. Zweifl.* ii. 299, 24. *Macq. Hist. Nat. Dipt.* i. 284, 16.

Austria.

21. LAMPHRIA FIMBRIATA.

Mas. *Atra*; *facies alba*; *mystax niger*; *humeri plurisque maculis tomentosis signata*; *abdominis incisuræ ad latera aureo tomentosæ*; *segmentum Ium cum scutello et extrema thoracis parte albo pilosum*.

Laphria fimbriata, *Meig. Zweifl.* ii. 293, 10. *Macq. Hist. Nat. Dipt.* i. 287, 32. *Loew, Linn. Ent.* v. 412.

France. Hungary. Bannat.

22. LAPHRIA URSULA.

Atra; *facies et mystax flavicantia*; *thorax antice nigro, postice flavo, pilosus*; *pleurae immaculatae*; *abdominis incisuræ ad latera albido pilosa*.

Laphria ursula, *Loew, Linn. Ent.* v. 414.

Russia.

23. LAPHRIA ALBIBARVIS.

Nigra; *mystax albus*; *abdomen fulvo hirtum, lateribus nigro maculatis*; *alæ fuscescentes*; *halteres nigri*.

Laphria albibarbis, *Meig. Zweifl.* ii. 295, 14, pl. 20, f. 22, 23.

Germany?

24. LAPHRIA FEMORATA.

Nigra; *facies alba*; *mystax niger*; *femora postica incrassata*; *alæ fuscescentes*; *halteres flavi*.

Laphria femorata, *Meig. Zweifl.* ii. 297, 18. *Macq. Hist. Nat. Dipt.* i. 283, 15, 25.

Germany?

25. LAPHRIA PODAGRICA.

Nigra; facies flava; mystax niger; femora postica incrassata; alæ fuscescetes; halteres flavi.

Laphria podagraca, Meig. Zweifl. ii. 297, 19.
D. femorata, var.?

Germany?

26. LAPHRIA CHRYSOCEPHALA.

Nigra, nitida; facies aurea; mystax niger; abdominis incisus albo villosæ; alæ apices versus nigricantes; halteres flavi.

Laphria chrysocephala, Meig. Zweifl. ii. 299, 23.
Chamounix.

27. LAPHRIA ANTHRAX.

Nigra, nitida; scutellum cinereo villosum; alæ venis infuscatis; halteres fusci.

Laphria Anthrax, Meig. Zweifl. ii. 300, 25.
France?

28. LAPHRIA UNGULATA.

Aterrima; facies et mystax alba; scutellum canum; alæ fuscæ flavæ.

Laphria ungulata, Pallas; Wied. Zool. Mag. i. 2, 39. Meig.
Zweifl. ii. 304, 32.
South Russia.

29. LAPHRIA DIOCERIÆFORMIS.

Nigra, nitida; facies alba; mystax niger; abdominis segmenta tria antica cano villosa; alæ fuscae, basi subhyalinæ; halteræ fulvi.

Laphria dioctriæformis, Megerle; Meig. Zweifl. ii. 300, 26.
Austria.

30. LAPHRIA NITIDULA.

Nigra, hirta; facies et mystax albida; abdominis segmenta utriusque albido; alæ dimidio apicali fuscescetes; halteres flavi.

Asilus nitidulus, Fabr. Ent. Syst. iv. 386, 44. Meig. Klass. Zweifl.
i. 269, m.

aphria nitidula, *Fabr. Syst. Antl.* 162, 24. *Meig. Zweifl.* ii. 303,
30.

aly.

31. LAPHRIA NIGRIPENNIS.

Nigra, *nitida*; *mystax supra niger subtus albus*; *alæ fusco-nigræ*; *halteres fuscæ*.

aphria nigripennis, *Megerle*; *Meig. Zweifl.* ii. 301, 27.
ustria.

32. LAPHRIA? LANIGERA.

Atra, *nitida*, *albido mollissime longeque villosum*; *antennæ articulis quatuor*, *aristaque brevissima setiformi*; *abdomen supra brevissime pilosum*; *alæ hyalinæ*, *venis testaceis*.

aphria lanigera, *Duf. Ann. Sci. Nat.* xxx. 217, 10.
pain.

33. LAPHRIA VIOLACEA.

Nigra, *nitida*; *barba nigra*; *abdomen violaceum*; *alæ fuscescentes*.

Isilus violaceus, *Fabr. Sp. Ins.* ii. 462, 13; *Ent. Syst.* iv. 381, 21.
Gmel. ed. Syst. Nat. i. 5, 2897, 24.

aphria violacea, *Fabr. Syst. Antl.* 159, 14. *Meig. Zweifl.* ii. 302,
29. *Macq. Hist. Nat. Nat. Dipt.* i. 286, 24.

Germany.

34. LAPHRIA VENATRIX.

Mas. *Chalybeo-nigra*; *antennarum articulus 1us perlongus*; *alæ subcinereæ*.

aphria venatrix, *Loew, Linn. Ent.* ii. 562, 16.
Syracuse, Sicily.

35. LAPHRIA RUFIPES.

Mas et Fœm. *Nigra*; *femora tibiæque rufa*; *alæ subfuscæ*.

aphria rufipes, *Fall. Dipt. Suec. Asil.* 66. *Meig. Zweifl.* ii. 299,
22. *Zett. Dipt. Scand.* i. 163, 7. *Loew, Linn. Ent.* ii. 560,
14.

North Europe and the Mountains of Central Europe.

36. LAPHRIA LAPONICA.

Fœm. *Nigra, tenuiter cinereo pubescens; facies utrinque nivea pilosa; mystax niger; barba alba; femora intermedie plurimque basi, femora tibiæque postica omnino rufa; ale fuscescentes.*

Laphria rufipes, Zett. Ins. Lapp. 77, 103, 217; Ins. Lapp. 506, 3.

Laphria lapponica, Zett. Dipt. Scand. i. 164, 8. Loew, Linn. Ent. ii. 561, 15.

Lapland. Siberia.

37. LAPHRIA COARCTATA.

Nigra; caput albido villosum; frons flavescens; antenna ferruginea; abdomen atrum, nitidum, segmentis coarctatis, 20. 4oque supra utrinque lineola transversa alba; pedes nigri, cinereo villosi, tibiis basi testaceis; ale basi subtestacee.

Laphria coarctata, Duf. Ann. Sci. Nat. xxx. 217, 11.

Madrid, Spain.

38. LAPHRIA SCUTELLARIS.

Nigra; scutellum albidum; pedes rufo-ochracei; ale subflaventes; halteres sordide flavi.

Laphria scutellaris, Hoffm.; Meig. Zweifl. ii. 296, 17.

Portugal.

39. LAPHRIA TIBIALIS.

Nigra, nitida; abdomen incisuris albo villosis; pedes fulvi, femoribus nigris; ale subnigrieantes; halteres fulvi.

Laphria tibialis, Megerle. Meig. Zweifl. ii. 298, 21.

Austria.

40. LAPHRIA GLAUCIA.

Nigra, tomentosa; abdomen apud segmenta 2um 3umque fasci glauca, reliquis margine flavo; pedes fulvi; ale fuscescentes.

Asilus glaucius, Fabr. Ent. Syst. iv. 386, 46. Meig. Klass. Zweifl. i. 269, n.

Laphria glaucia, Fabr. Syst. Antl. 163, 30. Meig. Zweifl. ii. 303, 31.

Italy.

41. LAPHRIA FLAVICINCTA.

Nigra, flavo hirta ; abdomen fasciis sinuatis aurantiacis ; pedes fulvescentes ; alæ basi flavo-fuscescentes ; halteres flavi.
phria flavicincta, Hoffm. Meig. Zweifl. ii. 296, 16.
Portugal.

42. LAPHRIA ATRA.

Nigra ; barba albida ; abdomen chalybeum ; alæ fuscescentes.
ilus ater, Linn.
North and Central Europe.

North America.

Corpus non metallicum.

1. Corpus et pedes nigra.

- a. Cinereo hirta ; abdomen nigro hirtum. melanopogen. Wied.
- b. Scoriaceo nigra ; caput et pedes nigro hirta. dersata, Say.
- c. Thorax sulphureo hirsutus. - - - thoracica, Fabr.
- d. Thorax aurario pilosus. - - - flavicollis, Say.
- e. Thorax abdominis apex aurario pilosa. posticata, Say.
- f. Flavo hirta ; scutellum, abdominis segmentum lumen, anus et pedes postici nigro hirta. - - - tergissa, Say.
- g. Flavo hirta ; abdomen apice nigro hirtum. analis, Macq.
- h. Flavido hirta ; pedes nigro hirti. - Terra Novæ, Macq.
- i. Flavo hirta ; pedes postici nigro hirti. - - - flavipila, Macq.
- j. Caput, thorax, et pedes flavido hirta ; abdominis dimidium apicale fulvo hirtum. - - - lasipes, Wied.
- k. Thorax flavo hirtus, fascia abbreviata nigra ; abdomen basi lateribusque flavo hirtis. - - - Georgina, Wied.
- l. Fulvo hirta. - - - sericea, Say.

2. Corpus aut pedes plus minusve pallida.

- a. Thorax fulvo bivittatus. Abdomen aurantiacum.
 - saffrana, Fabr.
- b. Thorax albo vittatus. - - - pyrrhacra, Wied.
- c. Thorax cinereo vittatus. - - - glabrata, Say.
- d. Abdomen rufo-fuscum. - - - megacera, Macq.
- e. Abdominis dorsum ferrugineum. - - - Eatus, Walk.
- f. Abdomen apice fulvum. - - - fulvicauda, Say.
- g. Abdomen rufum. - - - Antæa, Walk.
- h. Abdomen rubrum ; tibiæ basi pallidæ. rubriventris, Macq.
- i. Pedes rufi. - - - Sadales, Walk.

B. Corpus plus minusve metallicum.

- A. Nigro-cærulescens.* - - - melanogaster, Wied.
- B. Nigro-viridis.* Abdomen nigro-cærulescens. pygmaea, Macq.
- C. Nigro-aenea.*
- A. Alæ subfuscæ.* - - - Alcanor, Wall.
- B. Alæ limpidae.*
 - a. Tibiæ non clavatae.* - - - Sacrator, Wall.
 - b. Tibiæ posticæ clavatae.* - - - Echemon, Wall.

The North American species comprise the following groups.

Group 1.

Corpus pilosissimum, sat gracile. Facies apud epistoma convexa. Mystax setis plurimis longis. Proboscis recta, linearis. Antennarum articulus 3us longifusiformis, 1o et 2o conjunctim multo longior. Pedes validi, hirsutissimi; femora crassa.

Body very hairy, rather slender. Face convex towards the epistoma. Mystax with long and very numerous bristles. Proboscis straight, linear. Third joint of the antennæ elongate-fusiform, much longer than the first and the second together. Legs stout, very hairy; femora thick. Fore fork of the cubital vein slightly undulating; hind fork and the first externo-medial very slightly curved, parallel to each other; second externo-medial straight, third forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal united to the anal very near the border.

Laphria Æatus.

Group 2.

Corpus pilosissimum latiusculum. Facies apud epistoma subconvexa. Mystax setis plurimis longis. Proboscis recta, linearis. Antennarum articulus 3us linearis, gracilis, articulis 1o et 2o conjunctim multo longior. Pedes validi, hirsutissimi; femora crassa.

Body very hairy, rather broad. Face slightly convex towards the epistoma. Mystax with long and very numerous bristles. Proboscis straight, linear. Third joint of the antennæ linear, slender, very much longer than the first and the second together. Legs stout, very hairy; femora thick. Wing-veins like those of the first group.

Laphria tergissa, L. posticata, L. thoracica, L. sericea, L. Sacrator, L. lasipes, L. Alcanor.

Group 3.

Corpus latum, crassum, non setosum. Caput hirsutissimum. apud epistoma subconvexa. Mystax densissime setosus; oscis recta, crassa. Antennarum articulus 3us longus, basi que subattenuatus, 1o et 2o conjunctum multo longior. Tholatera hirta. Abdomen cingulii pilosis. Pedes pilosi, breves, robusti; femora incrassata, apud apices subsetosa.

Body broad, thick, without bristles. Head very hairy. Face tly convex towards the epistoma. Mystax very thickly setose. oscis straight, very stout. Third joint of the antennæ long, tly tapering at each end, much longer than the first and second s together. Thorax hairy on each side. Abdomen with hairy ls. Legs hairy, short, very stout; femora very thick, with a few les towards the tips. Fore branch of the cubital vein much ed near the base, slightly curved from thence to the tip; hind ch and first externo-medial straight and parallel to each other; ad externo-medial straight; third forming a nearly right angle the præbrachial, and joining the fourth very far from the bor- Subanal joining the anal near the border.

hria saffrana.

Group 4.

Fæm. Corpus nudum, mediocriter latum. Facies apud epista valde convexa. Mystax setis plurimis. Proboscis recta, iris, longiuscula. Antennarum articulus 3us longissimus, subiris, basi apiceque subattenuatus, 1o et 2o conjunctum duplo ior. Femora crassa, postica subtus spinosa.

'em. Body bare, moderately broad. Face very convex towards epistoma. Mystax with several bristles. Proboscis straight, ir, rather long. Third joint of the antennæ very long, nearly ir, slightly tapering towards each end, about twice the length he first and second together. Femora thick; hind femora spi beneath. Wings moderately long and broad. Fore fork of the tal vein undulating; hind fork curved towards the first externo-inal, but remote from it on the border; first and second externo-inal veins straight; third curved, forming an obtuse angle with præbrachial, joining the fourth far from the border. Subanal ing the anal close to the border.

hria Antæa.

Group 5.

Corpus angustum, lineare, fere nudum. Facies apud epistoma convexa. Mystax sat dense setosus. Proboscis recta, valida, linearis. Pedes validi, breviusculi, parce setosi et pilosi. Alæ breves.

Body narrow, linear, nearly bare. Face convex towards the epistoma. Mystax with rather numerous bristles. Proboscis straight, stout, linear. Legs stout, rather short, with a few short hairs and bristles. Wings short. Fore fork of the cubital vein slightly undulating; hind fork nearly straight, slightly inclined towards the first externo-medial, but remote from it on the border; first and second externo-medial veins straight; third forming an obtuse angle with the præbrachial and joining the fourth far from the border. Subanal joining the anal very near the border.

Laphria Sadales.

43. LAPHRIA MELANOPOGON.

Fœm. *Nigra; occiput, thorax et pedes cinereo hirta; facies et abdomen nigro hirta; alæ subfuscantes.*

Laphria melanopogon, Wied. Auss. Zweifl. i. 520, 36.

Kentucky.

44. LAPHRIA DERSATA.

Scoriaceo-nigra; caput et pedes cinereo hirta; alarum venæ fuscæ limbatae.

Laphria dersata, Say, American Entomology, 1, pl. 6. Wied. Auss. Zweifl. i. 506, 12.

Pennsylvania.

45. LAPHRIA THORACICA.

Hirsuta, atra; thorax sulphureus; alæ fuscæ.

Laphria thoracica, Fabr. Syst. Anil. 158, 10. Wied. Dipt. Essl. i. 236, 8; Auss. Zweifl. i. 511, 21. Macq. Dipt. Exot. i. 2, 68, 14.

United States. West Indies.

46. LAPHRIA FLAVICOLLIS.

Mas. *Nigra; thorax aurario pilosus; alæ cinereæ.*

phria flavigollis, *Say*, *Long's Exped. to St. Peter's River, Append.*

374, 2. *Wied. Auss. Zweifl.* i. 519, 34.

phria melanopogon, *Mas.*?

ansylvanica.

47. LAPHRIA POSTICATA.

Mas. *Nigra*; *thorax et abdominis apex aurario pilosa*; *alæ cinereæ*.

phria posticata, *Say*, *Long's Exped. to St. Peter's River, Append.* 374, 1. *Wied. Auss. Zweifl.* i. 518, 32. *Macq. Dipt. Exot.* i. 2, 69, 17.

ansylvanica, *Carolina*.

48. LAPHRIA TERGISSA.

Nigra, *flavo hirta*; *scutellum, abdominis segmentum Ium, anus pedesque postici nigro hirta*; *alæ flavidæ*.

phria tergissa, *Say*.

United States.

49. LAPHRIA ANALIS.

Nigra, *flavo hirsuta*; *abdomen apice nigrum*; *alæ fuscæ areolarum discis hyalinis*.

phria analis, *Macq. Dipt. Exot.* i. 2, 68, 15.

America.

50. LAPHRIA TERRÆ NOVÆ.

Fœm. *Nigra*; *caput, thorax et abdomen flavido hirta*; *pedes nigro hirti*; *alarum venæ fusco marginatæ*.

phria Terræ Novæ, *Macq. Dipt. Exot.* i. 2, 69, 18.

Newfoundland.

51. LAPHRIA FLAVIPILA.

Nigra, *flavo pilosa*; *antennarum articulus 3us sat elongatus, non obtusus*; *pedes postici nigro pilosi*; *alæ fuscæ, basi flavescentes*.

phria flavipila, *Macq. Hist. Nat. Dipt.* i. 282, 8.

United States.

52. LAPHRIA LASIPES.

Mas. *Nigra*; *caput, thorax et pedes flavido hirta; abdominis dinidium apicale fulvo hirtum; alarum venæ subfuscæ limbatae.*

Laphria lasipes, *Wied.*

Kentucky.

53. LAPHRIA GEORGINA.

Nigra; thorax flavo hirtus, fascia abbreviata nigra; abdome basi lateribusque flavo hirtis; alæ fuscæ.

Laphria Georgina, *Wied. Dipt. Exot. i. 235, 6; Auss. Zweifl. i. 506, 13.*

Georgia.

54. LAPHRIA SERICEA.

Mas. *Nigra, fulvo hirta; mystax flavidus; tibiae postice nigrae hirtæ; alæ limpidae, venis flavidæ limbatis.*

Laphria sericea, *Say, Journ. Acad. Philad. iii. 74, 4; Amer. Ent. pl. 6. Wied. Auss. Zweifl. i. 508, 16.*

Pennsylvania.

55. LAPHRIA SAFFRANA.

Nigra; antennæ, pedes thoracisque limbus et vittæ duas fulvas; abdomen aurantiacum; alæ fuscæ.

Laphria saffrana, *Fabr.*

North America.

56. LAPHRIA PYRRHACRA.

Nigra; thorax albo vittatus; abdomen utrinque maculis aliis segmenti 2i apice sequentibusque rubido-flavis; alæ flexcentes.

Laphria fulvicauda, *Say, Journ. Acad. Philad. iii. 53, 1; Amer. Entomol. pl. 6.*

Laphria pyrrhacra, *Wied. Auss. Zweifl. i. 517, 31.*

North America and South America.

57. LAPHRIA GLABRATA.

ligra, nitida; facies argentea; thoracis margo anticus, vittæ duæ et pectus cinerea; pedes rufo-fusci; femora apud medium, tibiæ apice tarsique obscuriora; alæ hyalinae, venis fuscis.

Laphria glabrata, Say, Journ. Acad. Philad. iii. 53, 2.

ladelphia.

58. LAPHRIA MEGACERA.

ligra; facies lateribus albis; antennarum articulus 3us elongatus, non tumidus; abdomen rufo-fuscum; femora postica parum incrassata, tuberculis nigris; alæ nigrantes.

Laphria megacera, Macq. Hist. Nat. Dipt. i. 284, 18.

ladelphia.

59. LAPHRIA EATUS.

Laphria Eatus, Cat. of Diptera, 381.

ted States.

60. LAPHRIA FULVICAUDA.

ligra; cinereo pilosa; thorax vittatus; abdomen depresso, apice fulvum; alæ nigrantes.

Laphria fulvicauda, Say, Journ. Acad. Nat. Sci. Philad. iii. 53, 1.

ted States.

61. LAPHRIA ANTÆA.

ligra; frons argentea; abdomen sanguineum; basi nigrum; alæ nigro violaceæ.

Laphria Antæa, Cat. of Diptera, Pt. 2, 379.

Laphria saniosa? Say, Journ. Acad. Nat. Sci. Philad. vi. 158.

ish North America.

62. LAPHRIA RUBRIVENTRIS.

ligra; facies et mystax flava; thorax flavo pubescens; abdomen rubrum, basi nigrum; tibiæ basi pallidæ; alæ fuscae, basi flavescentes.

Laphria rubriventris, Macq. Hist. Nat. Dipt. i. 284, 19.

ladelphia.

63. LAPHRIA SADALES.

Laphria Sadales, *Cat. of Diptera*, Pt. 2, 378.
New York.

64. LAPHRIA MELANOGASTER.

Nigro-caerulescens; caput thorax et pedes anteriores flavido hirsuti;
alarum venae fuscano limbatae.
Laphria melanogaster, *Wied. Dipt. Exot.* i. 236, 7; *Auss. Zweifl.*
i. 507, 14.
United States. Mexico.

65. LAPHRIA PYGMÆA.

Nigra; frons et mystax alba; thorax viridi-niger; abdomen
cyaneo-nigrum; femora et tibiæ basi fulvescentia; aleæ
pidæ.

Laphria pygmæa, *Macq. Hist. Nat. Dipt.* i. 287, 30.
Georgia.

66. LAPHRIA ALCANOR.

Laphria Alcanor, *Cat. of Diptera*, Pt. 2, 383.
Massachusetts.

67. LAPHRIA SACRATOR.

Laphria Sacrator, *Cat. of Diptera*, Pt. 2, 382.
Nova Scotia.

68. LAPHRIA ECHEMON.

Laphria Echemon, *Cat. of Diptera*, Pt. 2, 386.
Ohio.

West Indies.

69. LAPHRIA XANTHOCNEMA.

Fœm. *Nigra; abdomen et tibiæ rubida; aleæ subflavescens;*
venæ cubitalis ramus posticus cum vena externo-media ¹⁴
junctus.

Laphria xanthocnema, *Wied. Auss. Zweifl.* i. 509, 18. *Macq. Dipt.*
Exot. i. 2, 67, 12.

West Indies. Brazil.

South America.

Thorax metallicus.

. Pedes nigri aut metallici.

A. Alæ obscure.

a. Thorax antice nigro hirtus, postice aurato hirtus.
splendens, Macq.

b. Thorax aurato hirtus. - - - - dives, Wied.

c. Thorax nigro hirtus.
i. Proboscis recta. - - - - Olbus, Walk.

ii. Proboscis arcuata. - - - - bimaculata, Walk.

b. Alæ hyalinæ. - - - - violacea, Macq.

c. Pedes ferruginei. - - - - spinipes, Fabr.

Thorax niger. Abdomen metallicum.

. Thorax non vittatus.

b. Thorax vittis pallidis.

a. Tibiæ albæ. - - - - albitibia, Macq.

b. Tibiæ non albæ.

a. Antennarum articulus 3us fusiformis.
i. Mystax dense setosus. - - - pyrrhopyga, Wied.

ii. Mystax raro setosus. - - erythropyga, Wied.

b. Antennarum articulus 3us ellipticus. laticornis, Walk.

Corpus nigrum aut pallidum.

. Thorax totus niger.

A. Abdomen totum nigrum.

a. Alæ hyalinæ, apice subfuscæ. - Venezuelensis, Macq.

b. Alæ triente basali nigra. - - hæmorrhoa, Wied.

c. Alæ fuscæ, fascia fulva. - - fascipennis, Macq.

B. Abdomeu basi pallidum. - - - rufipennis, Wied.

c. Abdomen apice pallidum. - appendiculata, Macq.

d. Abdominis segmenta 6um et 7um pallida. pilipes, Macq.

E. Abdomen totum pallidum.

a. Alæ fuscescentes; areolarum disci sublimpidi.
croceiventris, Wied.

b. Alæ subflavescentes. - - - dichrou, Wied.

c. Alæ luteæ dimidio postico apiceque cinereis.

proxima, Walk.

b. Thorax nigellus, vittis obscurioribus. - contusa, Wied.

Thorax vittis cinereis aut albis.

A. Abdominis latera nigra. - - - Amandus, Walk.

B. Abdominis latera non nigra.

a. Alæ flavescentes. - - - mesoxantha, Wied.

b. Alæ limpidæ, apice cinereæ. - erythrogaster, Wied.

c. Thorax cinereus aut canus.

- i. Pedes nigri. - - - - - viduata, *Wied.*
- ii. Pedes pallidi. - - - - - pusilla, *Mey.*
- D.* Thorax niger, humeris et pleuris pallidus. - - - - - mellipes, *Wied.*
- E.* Thorax niger, limbo luteo. - - - - - xanthopus, *Wied.*
- F.* Thorax niger, scutello fulvo. - - - - - limbata, *Mey.*
- G.* Thorax totus pallidus.
 - A. Alæ apice nigrae. - - - - - melanura, *Wied.*
 - B. Alæ fusco maculatae. - - - - - maculipennis, *Mey.*

The following groups represent most of the South American species.

Group 1.

Corpus metallicolor. Caput et thorax setis nonnullis. Facies valde convexa. Mystax rarus. Proboscis longa valida, recta. Antennarum articulus 3us basi apiceque subattenuatus, lo et 2o conjunctim multo longior. Pedes validi, pubescentes; femora tibiae anteriora tarsique subsetosa.

Head and thorax with a few bristles. Face very convex. *Mystax* with a few bristles. *Proboscis* long, stout, straight. Third joint of the antennæ much longer than the first and the second together, slightly tapering towards each end. Legs stout, pubescent; tarsi and anterior femora and tibiae slightly bristly. Fore branch of the cubital vein undulating; second nearly straight, remote from the first externo-medial; first and second externo-medial veins straight; third curved abruptly hindward and united with the fourth far from the border. Subanal and anal veins united near the border.

Laphria Olbus.

Group 2.

Corpus metallicolor, hirsutum et setosum. Facies apud stomam convexa. Mystax setis plurimis. Proboscis valida, lanceolata, subarcuata, non longa. Antennarum articulus 3us longior, formis, lo et 2o conjunctim longior. Pedes validi, pilosi, setosissimi; femora sat crassa.

Body and legs metallic, rather thickly beset with hairs and bristles. Face convex towards the epistoma. *Mystax* with numerous hairs and bristles. *Proboscis* stout, lanceolate, rather short, slightly curved. Third joint of the antennæ elongate-fusiform, longer than the first and the second together. Legs stout, hairy and bristly; femora rather thick. Fore fork of the cubital vein undulating; hind fork and first externo-medial vein slightly curved.

parallel to each other; second externo-medial straight; third forming an almost right angle with the prebrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Laphria bimaculata.

Group 3.

Corpus metallicolor, fere nudum. Facies apud epistoma subconvexa. Mystax setis paucissimis. Proboscis recta, sat longa. Antennarum articulus 3us sublinearis, basi apiceque subattenuatus, 10 et 20 conjunctum multo longior.

Body metallic, almost bare. Face slightly convex towards the epistoma. Mystax with very few bristles. Proboscis straight, rather long. Third joint of the antennæ nearly linear, slightly tapering towards the tip, very much longer than the first and the second together. Fore fork of the cubital vein slightly undulating; hind fork and first externo-medial straight and parallel to each other; second straight; third slightly curved, forming an obtuse angle with the prebrachial, joining the fourth at some distance from the border. Subanal joining the anal very near the border.

Laphria spinipes.

Group 4.

Caput et thorax dense et breviter hirta. Facies latissima, subconvexa. Mystax setis plurimis validis abbreviatis. Proboscis brevis, recta, crassa. Antennarum articulus 3us fusiformis, latiusculus, 10 et 20 conjunctum paullo longior. Abdomen subpubescens, lateribus parce setosis. Pedes validi, pilosissimi; femora crassa.

Head and thorax thickly clothed with short hairs. Face very broad, slightly convex. Mystax with numerous short stout bristles. Proboscis short, straight, very stout. Third joint of the antennæ fusiform, comparatively broad, rather longer than the first and the second together. Abdomen thinly pubescent, with a few short stout bristles on each side. Legs stout, very hairy; femora thick. Fore fork of the cubital vein undulating; hind fork united to the first externo-medial at some distance from the border; second externo-medial straight; third curved, forming a nearly right angle with the prebrachial, and joining the fourth far from the border. Subanal united to the anal at some distance from the border.

Laphria pyrrhopuga.

Group 5.

*Caput valde hirsutum. Facies apud epistoma sul
Mystax raro setosus. Proboscis valida, recta, breviuscula.
narum articulus 3us fusiformis, 1o et 2o conjunctim æquali
racis et abdominis latera pilosa, setosa. Pedes validi
pilosissimi; femora incrassata.*

Head very hairy. Face slightly convex towards the ϵ
Mystax with a few bristles. Proboscis stout, straight, ϵ
Third joint of the antennæ fusiform, as long as the first
second together. Thorax and abdomen hairy and bristly
side. Legs stout, bristly, very hairy; femora very thick, ϵ
the hind pair; hind tibiae slightly curved. Fore fork of the
vein slightly undulating; hind fork slightly curved, paral
first externo-medial; second externo-medial straight; thir
forming a nearly right angle with the præbrachial, and jo
fourth far from the border. Subanal united to the anal
the border.

Var. Fore fork of the cubital united near its base to t
by a transverse veinlet, forming in one wing near its base
which emits a short branch; first externo-medial inclining
the second.

Laphria erythropyga.

Group 6.

*Caput, thorax et abdominis latera dense et brevite
Facies latissima, apud epistoma convexa. Mystax setis
longis. Proboscis apicem versus subarcuata. Antennarui
lus 3us ellipticus, latus, 1o et 2o conjunctim æqualis. A
latera subsetosa. Pedes validi, dense pilosi et setosi
crassa.*

Head, thorax and sides of the abdomen thickly clot
short hairs. Face very broad. Mystax on a convex tuber
several long bristles. Proboscis slightly curved near the tip
joint of the antennæ elliptical, unusually broad, as long as
and the second together. Abdomen with a few bristles al
side. Legs stout, very hairy and bristly; femora thick. ϵ
of the cubital vein undulating; hind fork curved towards
externo-medial, and nearly joining it on the border; second
medial straight; third forming a hardly obtuse angle with
brachial, joining the fourth far from the border. Subanal
the anal at some distance from the border.

Laphria laticornis.

Group 7.

et thorax dense setosa. Facies valde convexa. Mystax us. Proboscis longa, robusta, apice arcuata. Antennulus 3us linearis, gracilis, lo et 2o conjunctum paulo pedes validi, pilosi, setosi; tarsi spinosi.

and thorax thickly beset with bristles. Face very con-
stax very bristly. Proboscis long and stout, curved
at tip. Antennæ slender; third joint linear, a little longer
first and the second together. Legs stout, hairy and
rsi spinose. Fore branch of the cubital vein undulating;
sh straight, united on the border to the first externo-
1; third externo-medial curved hindward and united to
at some distance from the border. Subanal and anal
d at some distance from the border.

nandus.

Group 8.

et thorax setis paucis. Facies fere plana. Mystax
stoma versus setosus. Proboscis valida, recta. Anten-
culus 3us fusiformis, lo et 2o conjunctum longior. Pedes
ii; femora crassiuscula.

and thorax with a few bristles. Face almost flat. Mys-
bristly towards the epistoma. Proboscis stout, straight.
of the antennæ fusiform, longer than the first with the
legs stout, bristly; femora rather thick. Fore branch of
vein much curved near the base, almost straight from
the tip; hind branch very slightly curved, remote from the
medial, which is nearly straight; second externo-medial
curved abruptly hindward, and united to the fourth
tance from the border. Subanal united to the anal near

culipennis.

Group 9.

parce pilosum, non setosum. Facies apud peristoma
a. Mystax dense setosus. Proboscis latissima, sub-
intennarum articulus 1us 2o plus duplo longior; 3us
mis, lo multo longior. Femora crassa.

cis compressed horizontally. Radial vein nearly straight.
f the cubital very slightly undulating; hind fork and

first externo-medial vein hardly curved, almost parallel to each other. Third externo-medial forming an almost right angle with the prebrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Laphria aurifrons.

70. LAPHRIA DIVES.

Fœm. *Aenea, aurato hirta; alæ nigro-fuscae.*

Laphria dives, Wied. Auss. Zweifl. i. 524, 43.

Brazil.

71. LAPHRIA OLBUS.

Laphria Olbus, Cat. of Diptera, Pt. 2, 375.

a. Guatimala. From M. Deby's collection.

72. LAPHRIA BIMACULATA.

*Viridis; caput et pectus nigra; thorax albido bimaculatus; abdo-
men et tibia postica purpurea; alæ nigro-purpurea.*

Body and legs rather thickly clothed with long hairs and bristles. Head black, with whitish tomentum beneath and about the eyes, clothed beneath with whitish hairs. Mystax with black bristles, and towards the epistoma with white bristles. Thorax purple, with black hairs and bristles; a spot of whitish tomentum on each side in front. Pectus black, with whitish tomentum. Abdomen and legs blue; tip of the abdomen and tibiae purple. Wings purplish black. Halteres tawny. Length of the body 9 lines; of the wings 18 lines.

a. Amazon district. From Mr. Bates' collection.

73. LAPHRIA VIOLENCEA.

Fœm. *Violacea; mystax flavidus; antennæ pedesque nigra; ab-
domen albo punctatum; alæ hyalinæ, postice cinereæ.*

Laphria violacea, Macq. Dipt. Exot. Suppl. 1, 74, 27.

Colombia.

74. LAPHRIA SPINIPES.

Fœm. *Aenea (nunc viridi nunc chalybeo); pedes ferruginei,
femoribus incrassatis bidentatis; alæ fuseæ.*

Laphria spinipes, Fabr.

Brazil.

75. LAPHRIA PRÆPOTENS.

♂em. *Nigra*; *abdomen viridi-nigrum, apice rubro tomentosum; alæ fuscae, fascia alba.*
Laphria præpotens, Macq. Dipt. Exot. Suppl. 1, 74, 28, pl. 7, f. 17.
Yenne.

76. LAPHRIA ALBITIBIA.

♂em. *Nigra; thorax albido vittatus; abdomen chalybeum, basi albo pilosum; tibiæ externe alba; alæ violaceo-nigrae.*
Laphria albitibia, Macq. Dipt. Exot. Suppl. 3, 25, 35, pl. 2, f. 6.
Brasil. Rio Negro.
 ♂em. *Nigra; thorax albo vittatus; abdomen cæruleus nitidus; pedes albo tomentosi; alæ violacea.*
Laphria albitibialis, Macq. Dipt. Exot. Suppl. 2, 38, 32.
Brasil.

77. LAPHRIA PYRRHOPYGA.

♂as. *Nigra; thorax fulvo bivittatus; abdominis segmentum apicale et anus rubido-flava; alæ cinereæ.*
Laphria pyrrhopyga, Wied. Auss. Zweifl. i. 515, 17.
Brasil.
 Parâ. From Mr. Bates' collection.

78. LAPHRIA ERYTHROPYGA.

♂as. *Nigra; abdomen basi utrinque maculis albo pilosis, in segmento 2o cohærentibus; apex rubidus; alæ flavescentes, apice fuscæ.*
Laphria erythropyga, Wied.
Brasil.
 Java. From the East India Company's collection.

79. LAPHRIA LATICORNIS.

Ligra; caput et pectus albido tomentosa, illum albo pilosum; thorax vittis tribus albidis strigisque duabus humeralibus ferrugineis, abdomen purpureo cupreum, apice fulvum; pedes albido hirti; alæ subcinereæ, fascia obscuriore.

Black. Head covered with whitish cinereous tomentum, clothed with white hairs. Mystax with black bristles. Eyes exsert. Thorax with three whitish stripes; the lateral pair dilated in front, and emitting a curved band to each side of the thorax; a ferruginous streak on each shoulder. Pectus with whitish tomentum. Abdomen dark purplish bronze; 6th and 7th segments tawny; tip armed with short black spines. Legs with whitish hairs. Wings grayish, darker across the tip of the discal areolet and towards the tips; veins black. Length of the body 5 lines; of the wing 8 lines.

a. Parà. From Mr. Bates' collection.

80. LAPHRIA VENEZUELENSIS.

Nigra; abdomen incisuris albis; alæ hyalinæ, apice subfuscæ.
Laphria Venezuelensis, Macq. Dipt. Exot. Suppl. 1, 74, 26, pl. 7, f. 15.

Colombia, Venezuela.

81. LAPHRIA HÆMORRHOA.

Mas. *Nigra, nigro hirta; abdominis incisure albo hirta; anæ rufo hirtus; alæ basi nigræ.*
Laphria hæmorrhœa, Wied. Auss. Zweifl. ii. 645, 65.
Bahia.

82. LAPHRIA FASCIIPENNIS.

Nigra, crassa; faciei latera flavo hirta; antennarum articulus 3^{us} non obtusus; abdomen lœte fulvo pilosum; alæ fusca, fascia lata fulva.
Laphria fascipennis, Macq. Hist. Nat. Dipt. i. 284, 20.
Cayenne.

83. LAPHRIA RUFIPENNIS.

Fem. *Nigra; abdomen basi utrinque testaceum; alæ croco-rubidae, apice fuscaneæ.*
Laphria rufipennis, Wied. Auss. Zweifl. i. 522, 39.
Brazil.

84. LAPHRIA APPENDICULATA.

Mas. *Nigra; mystax albidus; anus testaceus; alæ rufescentes.*

Laphria appendiculata, Macq. Dipt. Exot. Suppl. i. 75, 29, pl. 7, f. 18.

Jayenne.

85. LAPHRIA PILIPES.

Nigra; facies albido pilosa; abdominis segmenta setis lateralibus; 6um et 7um fulva; pedes pilis longis albidis; alæ apice subobscureæ.

Laphria pilipes, Macq. Hist. Nat. Dipt. i. 282, 9.

Brazil.

86. LAPHRIA CROCEVENTRIS.

Nigra; vibrissæ flavidæ; abdomen croceum; alæ fuscescentes, areolarum discis sublimpidis.

Laphria croceiventris, Wied. Dipt. Exot. i. 234, 5; Auss. Zweifl. i. 503, 8.

Brazil.

87. LAPHRIA DICHROA.

Fœm. *Mellea; antennæ et thorax nigra; alæ subflavescentes.*

Laphria dichroa, Wied. Auss. Zweifl. i. 526, 46.

Brazil.

88. LAPHRIA PROXIMA.

Nigra; caput albo tomentosum; abdomen fulvum; alæ luteæ, apice cinereæ.

Very nearly allied to *L. rufipennis*, but the 3rd joint of the antennæ is quite black, the abdomen is wholly tawny, and the wings are luteous for not more than two-thirds of the length; the apical third part and the hind border are gray. Head with white tomentum. Mystax with many black and whitish bristles. Legs clothed with cinereous hairs; tarsi beneath with reddish down. Length of the body 5 lines; of the wings 8 lines.

a. Parà. From Mr. Bates' collection.

89. LAPHRIA CONTUSA.

Nigella; antennæ fuscescentes; thorax vittis obscurioribus; abdomen flavum; pedes flavo-fusci; alæ apud venas subcinereæ.

Laphria contusa, Wied. Auss. Zweifl. i. 587, 25.

Brazil.

90. LAPHRIA AMANDUS.

Laphria Amandus, *Cat. of Diptera*, Pt. 2, 373.

a. Guatimala. From M. Deby's collection.

91. LAPHRIA MESOKANTHA.

Fœm. *Nigra*; *thorax cinereo hirtus*, *vittis nigris*; *abdomen subcoccinellum*, *ano rufo*; *alæ flavescentes*, *venis transversis et apicalibus fusco limbatis*.

Laphria mesoxantha, *Wied. Auss. Zweifl.* i. 513, 24. *Macq. Dipt. Exot.* i. 2, 67, 11.

Brazil.

92. LAPHRIA ERYTHROGASTER.

Nigra; *thorax vittis quatuor albidis*; *abdomen subcoccinellum*, *ano flavidus*; *alæ limpidæ*, *apice cinereæ*.

Laphria erythrogaster, *Wied. Auss. Zweifl.* i. 523, 41.

Brazil.

93. LAPHRIA VIDUATA.

Mas. *Atra*; *thorax cano hirtus*; *abdomen fasciis canis*; *de nigro-fusca*.

Laphria viduata, *Wied. Zool. Mag.* iii. 50, 14; *Dipt. Exot.* i. 241, 18; *Auss. Zweifl.* i. 528, 50.

Brazil.

94. LAPHRIA PUSILLA.

Mas. *Cinerea*; *pedes mellei*, *femoribus crassis externe fuscans*; *alæ subcinereæ*.

Laphria pusilla, *Macq. Dipt. Exot.* i. 2, 68, 13.

Brazil.

95. LAPHRIA MELLIPES.

Nigra; *humeri, pleuræ et pedes flava*; *alæ apice fusco-cinereæ*.

Laphria mellipes, *Wied. Auss. Zweifl.* i. 256, 47.

Brazil.

96. LAPHRIA XANTHOPUS.

*Com. Nigra; thoracis limbus et pedes lutea; alæ sublimpide,
apice subcinerea.*

Laphria xanthopus, Wied. Auss. Zweifl. i. 529, 52.

Zil.

97. LAPHRIA LIMBATA.

*Vigra, crassa; faciei latera flavescentia; mystax niger, subtus
flavus; scutellum fulvum; abdominis segmenta marginibus
posticis ventreque flavo pilosis; pedes postici femoribus non
incrastatis, tibiis non arcuatis.*

*Laphria limbata (nomen bis lectum), Macq. Hist. Nat. Dipt. i. 287,
29.*

Zenne.

98. LAPHRIA MELANURA.

*Iridentissime ferruginea; antennæ apice nigræ; abdomen apice
nigro-cyanum; pedes fulvi, genubus tibialisque apice nigris;
alæ croceæ, apice nigræ.*

*Laphria melanura, Wied. Auss. Zweifl. i. 508, 15. Macq. Dipt.
Exot. i, 2, 67, 10.*

Zil.

99. LAPHRIA MACULIPENNIS.

Testacea; mystax flavidus; alæ flavidæ, fusco maculatae.

*Laphria maculipennis, Macq. Dipt. Exot. Suppl. i, 73, 25, pl. 7,
f. 14.*

Zana.

Tapayos. From Mr. Bates' collection.

Africa.

Corpus plus minusve metallicolor.

Alæ nigro-cyanæ.

A. Caput posticum fulvo hirtum. - - - rufibarbis, Fabr.

B. Caput posticum nigro hirtum.

a. Femora nigra. - - - - - præcepis, Walk.

b. Femora tibiæque postica apice nigra. - - - - - flavipes, Wied.

c. Femora tota fulva. - - - - - Ufens, Walk.

D. Alæ fuscæ.

A.	Pedes flavi.	- - - - -	varipes, Macq.
B.	Pedes nigri.	- - - - -	Metallii, Walk.
C.	Alæ fulvae.	- - - - -	luctuosa, Macq.
D.	Alæ subcinereæ.	- - - - -	albiunaculata, Macq.
B.	Corpus non metallicolor.		
A.	Thorax totus niger.		
A.	Pedes nigri.		
a.	Corpus obscurum.		bomboides, Macq.
i.	Antennæ apice testaceaæ.	- - -	
ii.	Antennæ nigrae.	- - -	
b.	Corpus nitidum.	- - -	albicincta, Lom.
B.	Pedes rubidi.	- - -	Dymea, Walk.
B.	Thorax niger, lateribus pallidis.	- - -	lateralis, Fabr.
C.	Thorax fuscus.	- - -	tridentata, Fabr.
D.	Thorax luteo hirtus.	- - -	hirtipes, Fabr.
E.	Thorax pallidus.		
A.	Alæ maculatæ.	- - -	testacea, Macq.
B.	Alæ non maculatæ.	- - -	Decula, Walk.

The African Laphriae in the British Museum comprise the following groups:—

Group 1.

Caput et thorax pilosissima. Facies valde convexa. Mystax densissime setosus. Proboscis longa, valida, apice subarcuata. Antennæ longiusculæ; articulus 3us longifusiformis, lo et 2o conjunctim multo longior. Pedes validi, hirti, setosi; tarsi spinosi.

Head and thorax very hairy. Face very convex. Mystax very thickly beset with bristles. Proboscis stout, long, very slightly curved near the tip. Antennæ rather long; 3rd joint elongate, fusiform, much longer than the 1st and the 2nd together. Legs stout, hairy and bristly; tarsi spinose. Fore branch of the cubital vein slightly curved; hind branch nearly straight, parallel to the 1st externo-medial vein; 2nd externo-medial straight; 3rd forming a right angle with the præbrachial, and joining the 4th far from the border. Subanal united to the anal very near the border.

Laphria rufibarbis, L. flavipes, L. præceps, L. Ufens, L. albimaculata, L. Dymes.

Group 2.

Corpus latissimum. Caput, thorax, pedes et abdominis latera pilosissima. Facies plana. Mystax densissime hirtus. Proboscis brevis, crassa, lanceolata. Antennarum articulus 3us sublineatus,

si et apice attenuatus, 1o et 2o conjunctim fere duplo longior. Pedes validi, densissime ciliati.

Body very broad. Head, thorax and sides of the abdomen very hairy. Face flat. Mystax very thick. Proboscis short, thick, nectolate. Third joint of the antennæ nearly linear, tapering at the end, almost twice the length of the 1st and the 2nd together. Legs stout, very thickly ciliated. Fore fork of the cubital vein much curved; hind fork curved, very near the 1st externo-medial, which joins on the border; 2nd straight; 3rd forming a right angle with the præbrachial, joining the 4th far from the border. Subanalis anal united very far from the border.

sphria hirtipes.

Group 3.

Corpus sublineare, sat angustum, pilis setisque paucis. Facies und epistoma subconvexa. Mystax setis paucissimis. Proboscis recta, recta, gracilis, linearis. Pedes subpilosus.

Body nearly linear, rather narrow, with but few hairs and bristles. Head broader than the thorax. Face slightly convex towards the epistoma. Mystax with about eight bristles. Proboscis long, slender, straight, linear. Thorax broader than the abdomen. Metathorax with a thin tuft of bristles on each side. Legs thinly clothed with short hairs and long slender bristles.

sphria Decula.

Group 4.

Corpus lineare, sat gracile. Caput dense pilosum. Facies und epistoma convessa. Mystax densissime setosus. Proboscis recta, linearis. Antennarum articulus 3us longifusiformis, 1o et 2o conjunctim paullo longior. Abdomen pubescens, lateribus subpilosus. Thoracis latera pilosa. Pedes sat gracieles, pilosi, setosi.

Body linear, rather slender. Head thickly clothed with hairs. Face convex towards the epistoma. Mystax with very numerous bristles. Proboscis straight, linear, moderately long and slender. Third joint of the antennæ elongate, fusiform, a little longer than the 1st and the 2nd together. Sides of the thorax hairy and with a few bristles. Abdomen pubescent, hairy on each side towards the base. Legs hairy, beset with a few bristles, rather slender. Fore fork of the cubital vein slightly undulating; hind fork very slightly curved, nearly parallel to the 1st externo-medial; 2nd externo-medial straight; 3rd forming an obtuse angle with the præbrachial,

joining the 4th very far from the border. Subanal joining the near the border.

Laphria abdominalis.

100. *LAPHRIA RUFIBARBIS.*

Atra; caput rufo hirtum; antennæ et pedes rubida.

Laphria rufibarbis, Fabr.

Guinea.

101. *LAPHRIA PRÆCEPS.*

Nigra, nigro hirta; mystax rufa hirtus; antennæ rufescens abdomen purpureum; pedes rufescentes; alæ nigro-purp

Black, clothed with black hairs. Mystax thickly clothed bright reddish hairs. Antennæ dull red. Abdomen purple, bluish and greenish reflections. Legs reddish, with reddish coxae and femora black, with black hairs. Wings purplish Length of the body 11 lines; of the wings 20 lines.

a. Port Natal. From Mr. Plant's collection.

102. *LAPHRIA FLAVIPES.*

Fœm. *Nigra; abdomen obscure chalybeo-violascens; pedes femoribus tibiisque apice nigris; alæ nigro-cyaneæ.*

Laphria flavipes, Wied. Dipt. Exot. i. 238, 12; Auss. Zweifl. i 33. Macq. Dipt. Exot. i. 2, 63, 1.

Cape.

a. Port Natal. From Dr. Krauss' collection.

103. *LAPHRIA UFENS.*

Laphria Ufens, Cat. of Diptera, Pt. 2, 372.

Sierra Leone.

104. *LAPHRIA VARIPES.*

Cyaneo-nigra; facie latera alba; pedes flavi, femoribus, tarsisque apice coxisque nigris, femoribus posticis vix in satis; alæ fuscæ.

Laphria varipes, Macq. Hist. Nat. Dipt. i. 286, 26.

Cape.

106. LAPHRIA METALLI.

aphria Metalli, *Diptera Saundersiana*, Pt. 2, 105.
ape.

107. LAPHRIA LUCTUOSA.

Mas. *Nigra*; *abdomen elongatum, angustum, recurvum, fasciis duabus albis interruptis, apice cyaneo; pedes longi; alæ fulvae.*

aphria luctuosa, *Macq. Dipt. Exot. Suppl.* 2, 37, 31.
megal.

108. LAPPHRIA ALBIMACULATA.

Fœm. *Nigra; thorax vittis albo tomentosis; abdomen cyaneo-nigrum, lateribus albo maculatis; alæ subcinereæ.*

aphria albimaculata, *Macq. Dipt. Exot. i.* 2, 64, 5.
ape. Mauritius.

Var.? *Abdomen cupreum.*

—?

109. LAPHRIA BOMBOIDES.

Nigra; antennarum articulus ultimus testaceus; abdominis segmenta quatuor apicalia albicante subflavescente pilosa; alæ subfuscantes, venis fuscis flavo marginatis. Mas.—*Mystax rufus*; *thorax antice fulvo pilosus.* Fœm.—*Mystax albidus*; *thorax antice flavo pilosus.*

aphria bomboides, *Macq. Expl. Scient. Alg.* iii. *Ins.* 432, 5, pl. 2, f. 10.

lgeria.

110. LAPHRIA ABDOMINALIS.

Nigra, albido pilosa; facies albo tomentosa; abdominis discus rufescens, rufu pubescens; alæ cinereæ.

Black, clothed with whitish hairs. Face with shining white mentum on each side. Disk of the abdomen above reddish, othed with red down. Tarsi ferruginous beneath. Wings gray; veins and halteres black. Length of the body 7 lines; of the wings 2 lines.

Algeria. From M. Parzudaki's collection.

111. LAPHRIA ALBICINCTA.

*Atra, nitida ; femora postica valde incrassata ; areola la pos
longe ante alæ marginem clausa.*

Laphria albicincta, Loew, Bericht Verhandl. Kon. Preuss.
Wissensch. Berl. 1852, 659, 11.

Mozambique.

112. LAPHRIA DYMES.

Laphria Dymes, Cat. of Diptera, Pt. 2, 377.

L. flavipes, var.?

Sierra Leone.

113. LAPHRIA LATERALIS.

*Nigra ; thoracis abdominisque latera fulva ; pedes rufi, sem
atris rufo fasciatis ; alæ nigro-fuscæ.*

Laphria lateralis, Fabr. Syst. Antl. 157, 5. Wied. Dipt. E.
233, 3; Auss. Zweifl. i. 501, 4. Macq. Hist. Nat. D
285, 21.

Guinea.

114. LAPHRIA TRIDENTATA.

Fœm. *Fusca ; abdomen nigrum ; pedes rubidi, femoribus p
tridentatis ; alæ fuscæ.*

Dasygordon tridentatus, Fabr. Syst. Antl. 167, 14.

Laphria tridentata, Wied. Dipt. Exot. i. 239, 14; Auss. Z.
521, 37.

Guinea.

115. LAPHRIA HIRTIPES.

Fœm. *Nigra ; barba flavescens ; thorax fulvus ; alæ nigra
flavido limpidae.*

Laphria hirtipes, Fabr.

Guinea.

116. LAPHRIA TESTACEA.

Fœm. *Testacea ; alæ antice subflavæ, postice subfuscæ, m
discali punctoque fuscis.*

Laphria testacea, Macq. Dipt. Exot. i. 2, 63, 2.

Cape.

117. LAPHRIA DECULA.

*sypogon Decula, Cat. of Diptera, Pt. 2, 362.
rra Leone.*

Mauritius.

Pedes nigri.

- | | | |
|-------------------------|-------|---------------------|
| 1. Thorax viridi-niger. | - - - | submetallica, Macq. |
| 3. Thorax niger. | | |
| A. Facies albida. | - - - | cærulescens, Macq. |
| B. Facies non albida? | - - - | cyaneogaster, Macq. |
| Pe des testacei. | - - - | Breonii, Macq. |

Group 1.

Corpus angustum, parce pilosum. Facies plana. Mystax plurimis instructus. Proboscis lanceolata. Antennarum artis 3us longifusiformis, articulis 1o et 2o conjunctim paullo gior. Abdomen sublineare, thorace angustius. Pedes sat grasa, setis nonnullis longis instructi.

Fore fork of the cubital vein undulating, much curved near the ; hind fork slightly curved, inclined towards the first extero-medial, but at some little distance from it on the border; first and extero-medial veins straight; third forming an obtuse angle with the præbrachial, joining the fourth at a short distance on the border. Subanal joining the anal very near the border.

Laphria submetallica.

- iridi-nigra; abdomen violaceo-nigrum, lateribus albido maculatis; antennæ pedesque nigra; alæ fuscæ.*
*Laphria submetallica, Macq. Dipt. Exot. i. 2, 63, 3.
of France.*

118. LAPHRIA CÆRULESCENS.

Vigra; facies albida; mystax niger; abdomen cyaneo purpureoque nitens; segmentorum latera albo notata; alæ fuscescentes.

- Laphria cærulescens, Macq. Hist. Nat. Dipt. i. 286, 28.
of France.*

120. LAPHRIA CYANEOGASTER.

Fœm. *Nigra*; abdomen cœruleum, albido maculatum; alæ fuscæ.

Laphria cyaneogaster, Macq. *Dipt. Exot.* i. 2, 64, 4.
Laphria cœrulescens, Var.?

Isle of France.

121. LAPHRIA BREONII.

Mas. *Nigra*; abdomen cœrulescens; pedes testacei; alæ cinereæ.

Laphria Breonii, Macq. *Dipt. Exot.* i. 2, 65, 6.

Isle Bourbon.

Asia.

A. Corpus sat gracile.

A. Corpus plus minusve metallicolor.

a. Alæ nigre aut nigro-fuscæ.

a. Abdomen maculis humeralibus albis. scapularis, Wied.

b. Corpus non albo varium. - - - Taphius, Walk.

b. Alæ infumatæ, basi flavidæ. - - spectabilis, Gutt.

c. Alæ fuscæ.

a. Abdomen nigrum. - - laterepunctata, Macq.

b. Abdomen viride. - - elegans, Walk.

d. Alæ ferrugineæ. - - - horrida, Walk.

e. Alæ fulvæ, areolarum discis sublimpidis. - dira, Walk.

f. Alæ hyalinæ, postice fuscæ. - aurifacies, Macq.

B. Corpus non metallicolor.

A. Alæ nigricantes.

a. Pedes nigri.

i. Alæ dimidiato nigricantes. - - dimidiata, Macq.

ii. Alæ tota nigricantes. - - chrysotelus, Walk.

b. Pedes mellei.

i. Alæ nigre, dimidio basali flavo. leucoprocta, Macq.

ii. Alæ nigricantes, dimidio basali sublimpido.

Javana, Macq.

iii. Alæ nigellæ. - - - Vulcanus, Walk.

B. Alæ fusca.

a. Abdomen apice pallidum. - - - crassipes, Rint.

b. Abdomen apice nigrum. - - - Tucca, Walk.

c. Alæ cinereæ. - - - Elva, Walk.

d. Alæ subcinereæ, fasciis duabus subfuscescenscentibus.

e. Alæ flavescentes, margine postico nigello.

triangularis, Walk.

a. Thorax fulvus. - - - Reinwardtii, Walk.

- b. Thorax niger, aureo tomentosus. - servens, Walk.*
- F. Alæ fulvæ, marginibus posticis cinereis.*
 - a. Femora nigro vittata. - - - sæva, Walk.*
 - b. Femora non vittata. - - - constricta, Walk.*
- g. Alæ fulvæ, apicibus marginibus posticis cinereis. aurigena, Walk.*
- H. Alæ flavescentes.*
 - a. Pedes nigri. - - - Bengalensis, Wied.*
 - b. Pedes pallidi.*
 - i. Thorax aurato hirtus, vittis nigellis. alternans, Wied.*
 - ii. Thorax rufa pubescens. - - luteipennis, Macq.*
- C. Thorax cinereus, vittis nigricantibus. heteroneura, Macq.*
- D. Thorax fulvus, fusco vittatus. - - senomera, Macq.*
- E. Thorax luteus. - - - gigas, Macq.*

Asiatic groups.

Group 1.

Venula discalis et vena externo-media conjunctæ.

Structure of *L. bimaculata*.

Discal veinlet and first externo-medial vein in one line.

Aphria scapularis, Wied.

Group 2.

Corpus gracile, pilis setisque paucis. Facies plana. *Mystax* trace setosus. Proboscis brevis, robusta, recta, lanceolata. Antennarum articulus 3us longifusiformis, 1o et 2o conjunctim paullo magior. Pedes setosi, sat graciles.

Body slender, with a few hairs and bristles. Face flat. *Mystax* with a few bristles. Proboscis short, stout, straight, lanceolate. Third joint of the antennæ elongate-fusiform, rather longer than the first and the second together. Legs bristly, rather tender. Fore fork of the cubital vein slightly undulating; hind fork slightly curved, inclined to the first externo-medial, but at some distance from it on the border; first and second externo-medial veins straight; third forming an obtuse angle with the præbrachial, and joining the fourth very near the border. Subanal united to the tarsal very near the border.

Aphria Taphius, Walk.

Group 3.

Corpus gracile, longiusculum, lineare, subpubescens, parce setosum. Facies apud epistoma convessa. Mystax setis nonnullis longissimis. Proboscis longa, recta, linearis, gracilis. Antennæ longæ; articulus 3us sublinearis, 10 et 2o conjunctim fere duplo longior. Pedes graciles, sat longi, breviter pilosi et subsetosi; tibiae anticæ intus subciliatae.

Body slender, linear, rather long, slightly pubescent, with a few bristles. Face convex towards the epistoma. Mystax with several very long and slender bristles. Proboscis long, straight, slender, linear. Antennæ long; third joint very slightly tapering towards each end, nearly twice the length of the first and second together. Legs rather long and slender, somewhat hairy, with a few bristles. Fore fork of the cubital vein hardly undulating; hind fork hardly curved, slightly inclined towards the first extero-medial; first and second extero-medial nearly straight; third forming a very obtuse angle with the præbrachial, joining the fourth at some distance from the border. Subanal joining the anal near the border.

Laphria elegans, Walk.

Group 4.

Corpus latum, pilis setisque perpaucis. Facies apud epistoma convessa. Mystax setis octo. Proboscis longa, valida, recta. Antennarum articulus 3us longissimus, sublinearis, basi apiceque subattenuatus, 10 et 2o conjunctim duplo longior. Abdomen setis paucis lateralibus. Pedes valde robusti, breviter pilosi, parce setosi.

Body broad, with very few hairs and bristles. Face convex towards the epistoma. Mystax with eight bristles. Proboscis long, stout, straight. Third joint of the antennæ very long, nearly linear, slightly tapering towards each end, about twice the length of the first and the second together. Abdomen with a few bristles along each side. Legs very stout, clothed with short hairs and with a few bristles. Fore branch of the cubital vein hardly undulating; hind branch nearly straight; first and second extero-medial veins straight; third forming a very obtuse angle with the præbrachial, joining the fourth near the border. Subanal joining the anal very near the border.

Laphria vulcanus, Wied.; *L. alternans*, Wied.; *L. fervens*, Walk.

Group 5.

; pilis setisque paucis. Facies apud epistoma valde con-
stata raro pilosus et setosus. Proboscis longa, recta.
a articulus 3us longus, gracilis, linearis, arcuatus, lo-
prior. Pedes validi, dense pilosi, parce setosi; femora

with a few hairs and bristles. Face very convex towards
a. Mystax with some hairs and a few bristles. Pro-
-, straight. Third joint of the antennæ long, slender,
ed upward, about twice the length of the first. Legs
y clothed with long hairs and with a few bristles; femora
rks of the cubital vein nearly straight; first and second
dial veins straight; third forming an obtuse angle, and
fourth rather near the border. Subanal united to
the border.

einwardtii, Wied.; L. sœva, Walk.; L. constricta,

Group 6.

; lineare, longiusculum. Caput, thoracis abdominisque
isque dense hirta. Facies apud epistoma convexa.
issime setosus. Proboscis longa, recta, gracilis, linearis.
i; femora sat crassa.

inear, rather long. Head, sides of the thorax and of the
nd legs very hairy. Face convex towards the epistoma.
ry thickly setose. Proboscis long, straight, slender,
gs stout; femora rather thick. Fore fork of the cubital
straight; hind fork and first externo-medial vein
l parallel to each other; second externo-medial straight;
ng an obtuse angle with the præbrachial, joining the
me distance from the border. Subanal joining the anal
rder.

ysotelus, Walk.; L. horrida, Walk.; L. dira, Walk.

Group 7.

; latum, valde hirtum et setosum. Facies subconvexa.
ise setosus. Proboscis gracilis, recta, sublinearis. An-
articulus 3us ellipticus, lo paullo brevior. Abdomen
icum. Pedes robusti, hirsutissimi, setis plurimis crassis
ibiæ posticæ arcuatae.

Fore fork of the cubital vein undulating; hind fork very slightly curved, united to the first externo-medial very near the border; first and second externo-medial veins nearly straight; third forming a slightly obtuse angle with the probrachial, joining the fourth at a long distance from the border. Subanal joining the anal very near the border.

Laphria Elva, Walk.

122. *LAPHRIA SCAPULARIS*.

Fœm. *Nigra*; *nigro hirta*; *maculæ humeralis albae*; *abdomen chalybeum*; *alæ nigrae*.

Laphria scapularis, Wied. Auss. Zweifl. i. 516, 29.

a. Java. From the East India Company's collection.

This species has a remarkable resemblance to the Brazilian *L. bimaculata*, but the following characters will sufficiently distinguish them:—

Laphria bimaculata.

Head clothed beneath with whitish hairs.

Mystax with white and with a few black bristles.

Legs rather thickly clothed with hairs, part of which are whitish; tarsi and fore tibiæ ferruginous beneath.

Discal veinlet and third externo-medial vein apart.

Laphria scapularis.

Head clothed beneath with black hairs.

Mystax wholly composed of black bristles.

Legs wholly and rather thinly clothed with black hairs.

Discal veinlet and third externo-medial vein in one line, in the genus *Atomosia*.

123. *LAPHRIA TAPHIUS*.

Laphria Taphius, Cat. of Diptera, Pt. 2, 380.

124. *LAPHRIA SPECTABILIS*.

Viridi nitens; *thorax antice flavo maculatus*; *abdomen cyaneum*; *tibiae anticæ intus sericeo flavidæ*; *alæ infumatae*, *bas flavidæ*.

Laphria spectabilis, Guér. Voy. de la Coquille, Zool. ii. 292.

Laphria splendida, Guér. Voy. de la Coq. Atlas, Ins. pl. 20, f. 7.

Amboina.

125. LAPHRIA LATEROPUNCTATA.

œm. Nigra; thorax ænescens, lateribus albo maculatis; alæ fuscana.

Laphria lateropunctata, Macq. Dipt. Exot. i. 2, 66, 9.

na.

126. LAPHRIA ELEGANS.

Eneo-viridis; caput, pectus thoracis maculae humerales abdominis-que maculae laterales albo tomentosa; antennæ et proboscis nigra; pedes purpurei; alæ cinereæ, venis fusco limbatis.

Bright green, here and there with an æneous tinge. Head, two humeral spots, and spots along the sides of the abdomen, shining white tomentum. Antennæ and proboscis black. Legs pale; femora partly green or blue; tarsi black; fore tibiae fringed with whitish hairs. Wings gray, brownish about the veins. Length of the body 8 lines; of the wings 16 lines.

East Indies. From Mr. Stevens' collection.

127. LAPHRIA HORRIDA.

Nigra; caput aureo tomentosum; thorax vittis duabus lateralibus auratis; abdomen cupreo-nigrum; tibiæ anteriores subtus ru-fescentes; alæ ferrugineaæ.

Black, hairy. Head with gilded tomentum, clothed with gilded hairs above and with brownish hairs beneath. Face very convex. Thorax with gilded bristles and with a few black lower bristles. Proboscis long, lanceolate compressed. Thorax with two gilded vittæ. Pectus with a gilded spot on each side. Abdomen cupreous black. Legs with very long hairs; hind tibiae curved with reddish hairs at the tips; anterior tibiae reddish beneath and clothed with brownish hairs. Wings and halteres ferruginous, the latter with brownish tips. Length of the body 15 lines; of the wings 28 lines.

Sumatra. From Sir Stamford Raffles' collection.

128. LAPHRIA DIRA.

Nigricans; caput aureo tomentosum; antennæ basi fulvæ; thorax fulvo tomentosus, vittis duabus auratis duabusque nigricanti-bus; abdomen cupreo-nigrum, segmentis 10-3um fulvo fascia-tis; pedes fulvi, femoribus nigro vittatis; alæ fulvæ, areolarum discis sublimpidis.

Blackish. Head with gilded tomentum beneath. Face slightly convex. Mystax with tawny bristles. Proboscis black, short, lanceolate rather slender. Antennæ tawny; third joint blackish, nearly linear, slightly tapering towards the tip, about twice the length of the first and second joints together. Thorax with tawny tomentum; two indistinct blackish dorsal stripes, and two broader lateral gilded stripes. Pectus with a pale gilded disk. Abdomen cupreous black; first, second and third segments with tawny bands which are dilated on each side. Legs tawny, hairy, spinose; femora with black stripes, which are broadest on the hind pair; hind tibiae much curved. Wings tawny; most of the areolets with nearly limpid streaks. Halteres tawny. Length of the body 13 lines; of the wings 24 lines.

a. Sumatra. From Sir Stamford Raffles' collection.

129. LAPHRIA AURIFACIES.

Mas. *Nigra*; *facies aurea*; *abdomen violaceum, maculis lateribus flavidis*; *alæ antice hyalinæ, postice fusce*.

Laphria aurifacies, *Macq. Dipt. Exot. Suppl.* 3, 22, 33, pl. 2, f. 6.
Moluccas.

130. LAPHRIA DIMIDIATA.

Mas. *Nigra*; *thorax vittatus*; *alæ dimidiato nigre*.

Laphria dimidiata, *Macq. Dipt. Exot. Suppl.* 1, 72, 23.

Manilla.

131. LAPHRIA CHRYSOTELUS.

Nigra, nigro hirta; *caput, thorax anticus et abdomen apicem versus aurato hirta*; *alæ nigricantes*.

Black, thickly clothed with black hairs and bristles. Head thickly clothed with gilded tomentum and hairs, and about the mouth with black hairs. Mystax of gilded hairs. Fore part of the thorax with gilded hairs, which are interrupted by a brownish stripe. Abdomen with gilded hairs near the tip, which is ferruginous. Wings blackish; veins black. Length of the body 13 lines; of the wings 22 lines.

a. East Indies. From Mr. Stevens' collection.

132. LAPHRIA LEUCOPROCTA.

Nigra; *thorax orichalceo pictus*; *scutellum, abdominis basi maculae laterales niveo pilosa*; *pedes mellei*; *ala nigra, dimidio basali flavo*.

Laphria leucoprocta, Wied. Auss. Zweifl. i. 517, 30.

133. LAPHRIA JAVANA.

Ias. *Nigra*; *facies, humeri et thoracis latera albida*; *abdomen basi album, lateribus albo maculatis; pedes flavi, tarsis apice coxisque nigricantibus; alæ sublimpidæ, dimidio apicali nigricante.*

Laphria Java, Macq. Hist. Nat. Dipt. i. 282, 10.

134. LAPHRIA VULCANUS.

em. *Nigra*; *thorax et abdomen aurato-picta; pedes mellei; alæ nigella.*

Laphria Vulcanus, Wied. Auss. Zweifl. i. 514, 25.

Elva. From the East India Company's collection.

135. LAPHRIA CRASSIPES.

Igra; *frons aurea; abdomen apice testaceo rubens; femora clavata; alæ fuscæ.*

Laphria crassipes, Fabr. Syst. Antl. 152, 16.

Laphria crassipes, Wied. Dipt. Exot. i. 240, 16; Auss. Zweifl. i. 521, 38.

atra.

136. LAPHRIA TUCCA.

Laphria Tucca, Cat. of Diptera, Pt. 2, 437.

137. LAPHRIA ELVA.

Laphria Elva, Cat. of Diptera, Pt. 2, 445.

In Bengal.

138. LAPHRIA TRIANGULARIS.

Igricans, aureo tomentosa; antennæ basi fulvæ; thorax nigro-fusco trivittatus; abdomen nigrum, segmentis fulvo fasciatis; pedes fulvi; alæ subcinereæ, fasciis duabus subfuscanscentibus.

Head and thorax blackish, with gilded tomentum. Head beneath with pale gilded hairs. Face hardly convex. Eyes small, with gilded bristles; some pale gilded hairs between it the antennæ. Antennæ black; first and second joints tawny. Thorax with three broad confluent blackish brown stripes; the basal pair shortened in front. Abdomen black, shining; first, second, third and fourth dorsal segments with tawny bands, which

are dilated on each side; fifth segment wholly black; sixth tawny. Legs tawny, with long hairs and bristles; posterior knees black. Wings slightly grayish, with two indistinct pale brownish bands; veins black, tawny at the base. Halteres testaceous. Length of the body 7 lines; of the wings 14 lines.

a. Sumatra. From Sir Stamford Raffles' collection.

139. LAPHRIA REINWARDTII.

Mas. *Fulva*; *thorax fusco vittatus*; *abdomen nigrum, fulvo fasciatum*; *alæ flavæ, margine interno nigellæ*.

Laphria Reinwardtii, Wied.

140. LAPHRIA FERVENTS.

Nigra; *aureo tomentosa*; *thorax nigro-fusco trivittatus*; *abdominis segmenta marginibus posticis ferrugineis*; *pedes fulvi, femoribus posticis nigro fasciatis*; *alæ fulvæ, marginibus posterioribus nigricantibus*.

Black. Head and thorax with gilded tomentum. Head thickly clothed beneath with tawny hairs. Mystax thick, reddish tawny. Antennæ black. Thorax with three brownish black stripes, the lateral pair shortened in front and contracted behind. Pecten with pale gilded tomentum, excepting a piceous stripe along each side. Hind borders of the abdominal segments ferruginous. Legs tawny, thickly clothed with long tawny hairs; coxae black, shining; hind femora with a blackish band, which is interrupted on each side. Wings tawny, blackish along the hind border; veins reddish. Length of the body 11 lines; of the wings 20 lines.

a. Sumatra. From Sir Stamford Raffles' collection.

141. LAPHRIA SÆVA.

Nigricans; *caput aureo tomentosum*; *thorax vittis duabus aureo-fusco interrupte interlineatis*; *abdominis margines fusco pedes fulvi*; *femoribus nigro vittatis*; *alæ fulvæ, marginibus posticis cinereis*.

Blackish. Head with pale gilded tomentum, thickly clothed with long gilded hairs. Face very convex. Mystax thick. Proboscis straight, long, linear, compressed. Thorax with two broad gilded stripes, each containing two large brownish spots. Pecten with a pale gilded disk. Hind borders of the abdominal segments tawny. Legs tawny; femora with black stripes, which are broader on the hind pair. Wings tawny; hind borders gray. Halteres pale tawny. Length of the body 11 lines; of the wings 18 lines.

a. Sumatra. From Sir Stamford Raffles' collection.

142. LAPHRIA CONSTRICTA.

Nigricans ; caput aureo tomentosum ; antennæ fulvæ ; thoracis vittæ duæ auratae maculis quatuor nigricantibus testaceo marginatis variegatae ; abdomen basim versus subcontractum, segmentis 10 et 20 fulvis nigro maculatis, apice fulvo ; pedes fulvi, tibiis posticis nigro fasciatis ; alæ fulvæ, cinereo marginatae.

Blackish. Head with pale gilded tomentum and hairs. Face lightly convex. Mystax thick. Proboscis tawny, lanceolate, rather stout and slender. Antennæ tawny; third joint fusiform, a little longer than the first and second together. Thorax with two broad gilded stripes, each including two blackish testaceous bordered spots; hind part gilded with a blackish spot on the scutellum and another behind. Abdomen fusiform, somewhat contracted near the base; rest and second segments tawny, each with a blackish rhomboidal dorsal spot; tip tawny. Legs tawny; hind knees blackish; hind tibiae with a blackish band. Wings tawny; hind borders and tip yellowish; veins and halteres tawny. Length of the body 8 lines; of the wings 13 lines.

Sumatra. From Sir Stamford Raffles' collection.

143. LAPHRIA AURIGENA.

*herades aurigena, Diptera Saundersiana, Pt. 2, 109, pl. 4, f. 8.
Java or Sumatra.*

144. LAPHRIA BENGALENSIS.

Mas. Nigra ; abdominis incisuræ utrinque albidae ; alæ flavescentes.

*Laphria Bengaleensis, Wied. Dipt. Exot. i. 237, 10. Auss. Zweifl. i. 512, 22.
Bengal.*

145. LAPHRIA ALTERNANS.

Fœm. Aurato hirta ; thorax vittis nigellis ; abdomen nigrum, fasciis aurato hirtis ; pedes mellei ; alæ flavidae, apicibus marginibusque posticis cinereis.

*Laphria alternans, Wied. Zweifl. i. 511, 20.
Mr. P. Asilus apicata, Cat. of Diptera, Pt. 2, 436.*

Java. From the East India Company's collection.

146. LAPHRIA LUTEIPENNIS.

Mas. *Nigra*; *antenna basi fulva*; *thorax rufo-pubescentia*; *p
alæque lutea*.

Laphria luteipennis, Macq. *Dipt. Exot. Suppl.* 2, 22, 84, pl. 2,
Java.

147. LAPHRIA HETERONEURA.

Mas. *Nigra*; *thorax cinereus, nigricante vittatis*; *abdomen
taneum*; *pedes rufi*; *alæ subflavescentes, vena cubitalis
postica et vena externo-media la ante marginem conjuncti*

Laphria heteroneura, Macq. *Dipt. Exot. i.* 2, 70, 19, pl. 6, f. 3.
Arabia.

148. LAPHRIA SENOMERA.

Mas. *Fulva*; *thorax fusco-vittatus*; *abdomen fuscum, f
asciatum*; *alæ flavidae*.

Laphria senomera, Macq. *Dipt. Exot. i.* 2, 6, 5, 8, pl. 6, f. 2.
Bengal.

149. LAPHRIA GIGAS.

Mas. *Nigra*; *thorax, pedes alaque lutea*; *femora postu
nigra*.

Laphria gigas, Macq. *Dipt. Exot. i.* 2, 65, 7.

East Indies.

New Guinea, &c.

Group 1.

Corpus metallicum, parce pilosum et setosum. Facies p
Mystax setis paucis. Proboscis compressa, recta, linearis. A
narum articulus 1us 2o multo longior; 3us fusiformis, lo 1
longior. Pedes hirti; femora non crassa; tibiæ posticæ fere r

Proboscis compressed vertically. Radial vein curved near
tip. Fore fork of the cubital slightly undulating; hind fork
first externo-medial vein nearly straight, hardly inclined to
each other. Third externo-medial curved, forming an obtuse angle
with the praebachial, which is slightly curved, joining the fourth
from the border. Subanal joining the anal on the border.

Laphria aurifrons, Walk.

150. LAPHRIA DOREI.

Thorax fulvus, vitta fusca; abdomen alaque fusca.

Hypogon Dorei, Boisduval, Voy. de l'Astrolabe, Atlas Entomol. pl. 12, f. 10.

Laphria Dorei, Macq. Dipt. Exot. i. 2, 67, 10.

151. LAPHRIA IODISOMA.

Fusco-cuprea; abdomen cyaneum; alae fuscæ.

Laphria iodisoma, Boisd. Voy. de l'Astrolabé, Atlas, Ent. pl. 12, f. 9.

New Guinea.

152. LAPHRIA CYANEA.

Veridi-cyanæa; caput, pectus et humeri nigra, albo tomentosa; frons et facies aureæ; abdominalis latera albo maculata; pedes purpureo-cyanæi, tarsis nigris; alæ nigrae, basi sublimpidae.

Laphria cyanea, Macq. Hist. Nat. Dipt. i. 286, 27.

Greenish blue. Head, pectus and humeral spots black, with white tomentum. Front and face gilded and with gilded hairs. Frons with a few black bristles. Hind borders of the abdominal segments with lateral spots of white tomentum. Legs purplish blue; tarsi black. Wings black, nearly limpid towards the base. Length of the body 6 lines; of the wings 11 lines.

This species much resembles *L. aurifacies*, but differs in the colour of the wings and of the abdominal spots.

New Guinea.

Aneiteum, New Hebrides. From the Voyage of H.M.S. Herald.

Collected by J. Macgillivray, Esq.

Australia.

Corpus plus minusve metallicolor.

Pedes nigri.

A. Abdomen cyaneum. - - - - Tectamus, Walk.

B. Abdomen æneum. - - - - splendidissima, Wied.

B. Femora fulva. Alæ fuscæ. - - rufifemorata, Macq.

C. Femora dimidio basali flavo. Alæ limpidae, fusco varia.

Telecles, Walk.

Corpus non metallicolor. - - - - Amaracus, Walk.

Group 1.

Caput hirsutissimum. Facies apud epistoma valde convexa.

Mystax setis paucis. Proboscis valida, subarcuata. Antennarum articulus 3us fusiformis, 1o et 2o conjunctim aequalis. Thorax subpubescens; latera subpilosa. Abdomen pubescens, basi pilosum et tomentosum, lateribus subsetosis. Pedes validi, pilosi, setis paucis; tarsi spinosi.

Head very hairy. Face very convex towards the epistoma. *Mystax* with a few bristles. Proboscis stout, slightly curved. Third joint of the antennæ fusiform, as long as the first and second together. Thorax thinly pubescent, slightly hairy on each side. Abdomen pubescent, with a few bristles on each side, hairy and tomentose towards the base. Legs stout, hairy, with a few bristles; tarsi spinose. Fore fork of the cubital vein much curved near the base, slightly curved from thence to the tip; hind fork very slightly curved, joining the first externo-medial vein near the border; first and second externo-medial veins straight; third curved abruptly hindward, and joining the fourth far from the border. Subanal united to the anal at some distance from the border.

L. *Tectamus*, Walk.

Group 2.

Caput hirsutissimum. Facies apud epistoma convexa. Mystax dense setosus. Proboscis longa, recta. Antennarum articulus 3us fusiformis, 1o et 2o conjunctim multo longior. Thoracis et abdominis latera pilosa. Pedes validi, pilosi, setosi; femora crassa; tibiae postice arcuatae.

Head very hairy. Face convex towards the epistoma. *Mystax* thickly beset with bristles. Proboscis long, straight. Third joint of the antennæ fusiform, much longer than the first and the second together. Thorax and abdomen hairy on each side. Legs stout, hairy, setose; femora thick; hind tibiae curved. Fore fork of the cubital vein undulating; hind fork inclined towards, but not united to the first externo-medial; second externo-medial straight; third forming an obtuse angle with the præbrachial, joining the fourth at some little distance from the border. Subanal joining the anal very near the border.

L. *Telecles*, Walk.

Group 3.

Corpus robustum. Caput et thorax setosa. Facies lata, plana, apud epistoma convexa. Mystax setis plurimis. Proboscis brevis, valida, recta, lanceolata. Antennarum articulus 3us gracilis, sublinearis, 1o et 2o conjunctim paullo longior. Abdomen obconicum, breviusculum, subpilosum. Pedes validi, setosi, non pilosi; femorib; non crassiora.

Body stout. Head and thorax setose. Face broad, flat. Mys-

tax seated on a convex tubercle, beset with numerous bristles. Pro-

boscis short, stout, straight, lanceolate. Third joint of the antennæ

slender, nearly linear, rather longer than the first and the second

together. Abdomen rather short, tapering from the base to the tip,

thinly clothed with hairs. Legs, stout, bristly, not hairy; femora not

thicker than the tibiæ. Fore fork of the cubital vein curved forward;

hind fork almost straight, slightly inclined to the first externo-medial,

but at some distance from it on the border; first externo-medial

nearly straight; second slightly curved; third forming a very obtuse

angle with the præbrachial, inclined towards the fourth, but remote

from it on the border. Subanal very near the anal on the border.

L. Amaracus, Walk.

153. LAPHRIA TECTAMUS.

Laphria Tectamus, Cat. of Diptera, Pt. 2, 374.
New Holland.

154. LAPHRIA SPLENDIDISSIMA.

Obscure ænea; antennæ et pedes nigra; abdomen splendidissime
æneum, fasciis linearibus luteis; alæ fuscescentes.

Laphria splendidissima, Wied. Auss. Zweifl. ii. 645, 64.
New Holland.

155. LAPHRIA RUFIFEMORATA.

Fem. Nigra; abdomen cyaneum; femora fulva; alæ fuscæ.
Laphria rufifemorata, Macq. Dipt. Exot. Suppl. 1, 73, 24, pl. 7, f. 16.
Tasmania.

156. LAPHRIA TELECLÆS.

Laphria Telecles, Cat. of Diptera, Pt. 2, 376.
New Holland.

157. LAPHRIA AMARACUS.

Laphria Amaracus, Cat. of Diptera, Pt. 2, 380.
New Holland.

Country unknown.

A. Alæ nigræ, aut fusco-nigræ.

A. Corpus submetallico nigrum. - - - melanoptera, Wied.

<i>B.</i>	<i>Corpus scoriaeо nigrum.</i>	- - -	<i>robusta,</i>
<i>C.</i>	<i>Abdomen testaceum.</i>	- - -	<i>bicolor,</i>
<i>D.</i>	<i>Thorax apice et abdomen basi flava.</i>	-	<i>nigripennis,</i>
<i>B.</i>	<i>Alæ fuscescentes.</i>	- - -	<i>bicolor,</i>
<i>C.</i>	<i>Alæ subfuscæ, postice sublimpidæ.</i>	- - -	<i>Tidius,</i>
<i>D.</i>	<i>Alæ medio fuscaneæ.</i>	- - -	<i>leucospila,</i>
<i>E.</i>	<i>Alæ flavæ, macula violacea.</i>	- - -	<i>notabilis,</i>
<i>F.</i>	<i>Alæ flavæ, apice fuscæ.</i>	- - -	<i>flavipennis,</i>
<i>G.</i>	<i>Alæ flavescentes.</i>	- - -	
<i>A.</i>	<i>Pedes nigri.</i>		
	<i>A. Abdomen totum nigrum.</i>	- - -	<i>senopeza,</i>
	<i>B. Abdomen apice testaceum.</i>	- - -	<i>gracilis,</i>
<i>B.</i>	<i>Pedes rubidi.</i>	- - -	<i>xanthoptera,</i>
<i>H.</i>	<i>Alæ apud apices flavidæ.</i>	- - -	<i>hirsuta,</i>
<i>I.</i>	<i>Alæ cinereæ.</i>	- - -	<i>picipes,</i>
<i>J.</i>	<i>Alæ limpidæ, apice fuscaneæ.</i>	- - -	<i>chrysocosmia,</i>
<i>K.</i>	<i>Alæ albæ.</i>	- - -	<i>Alebas,</i>

Group 1.

Corpus latissimum, densissime pilosum, non setosum.
convexa, densissime hirta. Proboscis latissima, recta, li-
Antennarum articulus 3us subfusciformis, 1o et 2o conjunctim
longior. Pedes robusti, valde pilosi; femora crassa.

Body very broad, very thickly clothed with short hair setose. Face convex, thickly covered with hairs, which form mystax. Proboscis linear, straight, very broad. Third joint antennæ very much longer than the first and the second to slightly increasing in breadth from the base to three-fourths length, whence it tapers to the tip. Legs hairy, very stout; i thick. Fore fork of the cubital vein very slightly undulating fork and first externo-medial nearly straight, parallel to other; second externo-medial straight; third forming a s obtuse angle with the præbrachial, joining the fourth far from border. Subanal joining the anal at some distance from the l

Laphria Tidius, Walk.

Group 2.

Laphria tergissæ structura.

Structure of *L. tergissa* and of the other species in the American group.

Laphria Alebas, Walk.

Group 3.

Laphria rufibarbis structura.

Structure of *L. rufibarbis* and of the other species in the first African group.

168. LAPHRIA MELANOPTERA.

Mas. *Submetallico hirta ; mystax et barba alba ; alæ nigræ.*
Laphria melanoptera, Wied. Auss. Zweifl. i. 514, 26.

159. LAPHRIA BOBUSTA.

Mas. *Scoriaceo-nigra ; caput et tibiae anticae subtus albo hirta ; alæ nigræ.*

Laphria robusta, Wied. Auss. Zweifl. i. 500, 2.

160. LAPHRIA BICOLOR.

Fœm. *Nigra ; abdomen testaceum ; alæ fusco-nigræ ; halteres flavi.*

Laphria bicolor, Wied. Auss. Zweifl. i. 522, 40.

161. LAPHRIA NIGRIPENNIS.

Nigra ; thorax apice et abdomen basi flava ; alæ nigræ.

Laphria nigripennis, Wied. Auss. Zweifl. ii. 646, 66.

162. LAPHRIA BICOLOR (nomen bis lectum).

Mas. *Nigra ; caput, thorax et pedes antici flavo pilosa ; abdomen et pedes postici nigro pilosa ; tibiae posticæ supra basi flavo pilosa ; alæ fuscescentes.*

Laphria bicolor, Macq. Hist. Nat. Dipt. i. 283, 14.

163. LAPHRIA TIDIUS.

Laphria Tidius, Cat. of Diptera, Pt. 2, 384.

164. LAPHRIA LEUCOSPILA.

Fœm. *Nigra ; abdomen utrinque maculis quatuor transversis albis ; alæ medio fuscaneæ.*

Laphria leucospila, Wied. Auss. Zweifl. i. 524, 44.

165. LAPHRIA NOTABILIS.

Mas. *Fulva*; *alæ flave, macula violacea*.
Laphria notabilis, *Macq. Dipt. Exot.* i. 2, 71, 20.

166. LAPHRIA FLAVIPENNIS.

Mas. *Atra*; *thorax flavescens tomentosus*; *abdomen micans, incisuris flavidis*; *tibiæ fulvæ*; *alæ flave fusca*.

Laphria flavipennis, *Macq. Dipt. Exot.* i. 2, 71, 21.

167. LAPHRIA SENOPEZA.

Mas. *Nigra*; *barba mystaxque flava*; *alæ flavidæ, apicem postica angustata*.
Laphria senopeza, *Macq. Dipt. Exot.* i. 2, 70, 19.

168. LAPHRIA GRACILIS.

Mas. *Gracilis, nigra*; *abdomen apice testaceum*; *alæ flave*
Laphria gracilis, *Macq. Dipt. Exot.* i. 2, 70, 22.

169. LAPHRIA XANTHOPTERA.

Nigra; *antennæ elongatae*; *pedes rubidi*; *alæ flava*.
Laphria xanthoptera, *Wied. Auss. Zweifl.* i. 530, 54.

170. LAPHRIA HIRSUTA.

Mas. *Scoriaceo-nigra*, *albo hirta*; *abdomen utrinque trigonis albis*; *alæ apud apicis flavidæ*.
Laphria hirsuta, *Wied. Auss. Zweifl.* i. 519, 19.

171. LAPHRIA PICIPES.

Obscure cuprea, nigro hirta; *caput subtus testaceo pilis facies aureo pubescens*; *mystax nigro setosus*; *antennæ black*; *abdomen incisuris utrinque albis, apice piceo*; *pedes tibiis tarsisque anticus subtus aureo tomentosis*; *alæ cir-*

Dark cupreous, clothed with short black hairs. Head black with pale testaceous hairs. Face with gilded down. Mystax black bristles. Proboscis and antennæ black. Abdomen cup with hind borders of the segments white on each side; tip piceous. Legs piceous, very hairy; fore tibiæ and fore tarsi beneath

lided down. Wings gray; veins black. Halteres testaceous. Length of the body 5 lines; of the wings 8 lines.

—? From Mr. Children's collection.

172. LAPHRIA CHRYSOCOSMIA.

Mas. *Nigra*; *facies et mystax alba*; *abdomen apice aurato hirtum*; *alæ limpidæ, apice fuscanæ*.
Laphria chrysocosmia, Wied. Auss. Zweifl. i. 523, 42.

173. LAPHRIA ALEBAS.

Alebas, Cat. of Diptera, Pt. 2, 384.

Genus 5. SCANDON.

Corpus fere nudum. *Mystax* dense setosus. Antennarum articulus 2us lo vix brevior; 3us subfusiformis, lo et 2o conjunctum re duplo longior. Abdomen *feminae* longi-obconicum, apice inis armatum.

Scandon, Diptera Saundersiana, Pt. 2, 108.

Forks of the cubital vein nearly straight, the hind fork and the st extero-medial vein slightly converging; second extero-medial straight; third forming an obtuse angle with the præbrachial, much inclined towards the fourth, but at some little distance from it on the border. Subanal joining the anal on border.

1. SCANDON COMPACTUS.

Scandon compactus, Diptera Saundersiana, Pt. 2, 108, pl. 4, f. 7.
w South Wales.

Genus 6. NUSA.

Corpus longinseculum, pilosum. *Mystax* setis nonnullis. Antennarum articulus 1us 2o longior; 3us subclavatus lo paullo longior et multo latior. Pedes pilosi; femora gracilia; tibiæ subnudæ.

Nusa, Diptera Saundersiana, Pt. 2, 105.

Fore fork of the cubital vein slightly undulating; hind fork united to the first extero-medial vein at some distance from the border; second extero-medial straight; third forming a slightly acute angle with the præbrachial, joining the fourth far from the border. Subanal united to the anal at some distance from the border.

1. NUSA EQUALIS.

Nusa æqualis, *Diptera Saundersiana*, Pt. 2, 105.
East Indies.

2. NUSA FORMIO.

Nusa Formio, *Diptera Saundersiana*, Pt. 2, 106.
East Indies.

Genus 7. AMPYX.

Corpus gracile, nitens, raro pubescens. Mystax breviter pilosa. Proboscis lanceolata, porrecta. Antennarum articulus 3us latius, ovatus, 1o et 2o conjunctim brevior. Pedes longi, graciles, et pars setosa; tibiæ posticæ clavatae; tarsi postici dilatati.

Body slender, shining, thinly covered with down. Face slightly convex towards the epistoma. Mystax with some short hairs. Proboscis porrect, lanceolate. Third joint of the antennæ broad, oval, not so long as the first and the second together. Legs long, slender, with a few bristles, which are longest on the tibiae; hind tibiæ clavate; hind tarsi incrassated. Wings rather long and narrow. Fore fork of the cubital vein slightly undulating; hind fork very slightly curved, almost parallel to the first externo-medial; second externo-medial straight; third forming an obtuse angle with the præbrachial, joining the fourth very near the border. Subanal joining the anal on the border.

Megapoda crassitarsis and M. cyaneiventris, Macq. may belong to this genus.

1. AMPYX VARIPENNIS.

Niger; antennarum articulus 3us et pedes rufi; tibiæ apice tenui nigra; alæ limpidæ, apud medium fuscescentes.

Black, shining. Third joint of the antennæ and legs red. Tarsi and tips of the tibiae black. Wings limpid, with two brownish bands, one before the middle darker than the other, which is beyond the middle; veins black. Length of the body 11 lines; of the wings 9 lines.

a. Santarem, Brazil. From Mr. Bates' collection.

Genus 8. LAPHYSTIA.

Antennarum arista terminalis distincta, biarticulata, obtusa. Alarum venæ longitudinales 1a et 2a in ipso margine contigua. *Laphystia*, Loew, Linn. Ent. ii. 538.

1. LAPHYSTIA SABULICOLA.

s et Fœm. *Nigra*; *barba omnis abdominisque maculae laterales albidae*; *ala subcinereæ*.

Laphystia sabulicola, Loew, *Linn. Ent.* ii. 538.

Coast of Asia Minor.

Genus 9. RHOPALOGASTER.

Corpus non punctatum. Caput mystace conspicuo. Proportions correcta. Antennæ triarticulatae, non stylatae, valde elongatae; insertione solita; articulus 3us nudus, obtusus. Abdomen rotundatum. Oviductus brevis. Alarum venæ cubitalis furca antica ex.

Rhopalogaster, Macq. *Hist. Nat. Dipt.* i. 279.

ria, p., Wied.

1. RHOPALOGASTER LONGICORNIS.

s. *Nigra*; *vibrissæ auratae*; *antennæ elongatae*; *abdomen gracile*, *basi nigrum*; *ala fusca*.

ria longicornis, Wied. *Auss. Zweifl.* i. 519, 35.

Rhopalogaster longicornis, Macq. *Hist. Nat. Dipt.* i. 279, 1.

1.

Genus 10. MICHOTAMIA.

Corpus non punctatum. Caput mystace conspicuo. Proboscis longa. Antennæ triarticulatae, mediocres, non stylatae, insertione solita; articulus 3us nudus, obtusus. Abdomen petiolatum. Oviductus brevis. Alarum venæ cubitalis furca antica simplex.

Fore fork of the cubital vein slightly undulating; hind fork first externo-medial vein nearly straight, hardly converging with each other; second externo-medial almost straight; third being at a nearly right angle with the prebrachial, joining the first at some distance from the border. Subanal joining the anal vein at the border. Third externo-medial areolet petiolated at the base, not connected with the pobrachial.

Michotamia, Macq. *Dipt. Exot.* i. 2, 72.

1. MICHOTAMIA ANALIS.

s. *Nigra*; *antennæ basi testacea*; *abdomen ferrugineum, apice nigrum*; *pedes testacei*; *ala fuscо-flavæ*.

Michotamia analis, Macq. *Dipt. Exot.* i. 2, 72, 1, pl. 6, f. 6.

al. Java.

Genus 11. ATOMOSIA.

Corpus s^epissime punctatum. Caput mystace conspicio. Proboscis porrecta. Antennae triarticulat^e, non stylat^e, insertione solita; articulus 3us nudus, obtusus. Oviductus brevis. Alarum venae cubitalis furca antica simplex; venae transversae posteriores lineam unam omnino aut fere fingentes.

Atomosia, Macq. Dipt. Exot. i. 2, 73.

Laphria, p., Wied.

Fore fork of the cubital vein undulating, much curved near the base; hind fork more or less curved, inclined towards the first externo-medial vein, but at some distance from it on the border; second externo-medial straight; third forming a right angle with the prebrachial, in a line with the discal areolet, joining the fourth at a long distance from the border. Subanal joining the anal very near the border.

North America.

- | | | | | |
|-----------------------------------|---|---|---|-----------------|
| A. Pedes nigri, tibiis testaceis. | - | - | - | pusilla, Macq. |
| B. Pedes pallidi. | | | | |
| A. Abdomen rufu marginatum. | - | - | - | macrocera, Say. |
| B. Abdomen non marginatum. | - | - | - | rufipes, Macq. |

1. ATOMOSIA PUSILLA.

Viridi-nigra; tibiae testaceae; alae subhyalinæ.

Atomosia pusilla, Macq. Dipt. Exot. i. 2, 76, 6.

North America.

2. ATOMOSIA MACROCERA.

Fœm. *Nigra, niveo pubescens; abdomen rubro marginatum; pedes rubri; alæ cinereæ.*

Laphria macrocera, Say, Journ. Acad. Philad. iii. 73, 3. Wied. Auss. Zweifl. i. 531, 57.

Pennsylvania.

3. ATOMOSIA RUFIPES.

Fœm. *Nigra; abdominis incisuræ albæ; pedes fulvi, tibii posterioris apice nigris; alæ basi subflavescentes.*

Atomosia rufipes, Macq. Dipt. Exot. i. 2, 39, 9.

Philadelphia.

West Indies.

4. ATOMOSIA TIBIALIS.

Ias. *Nigra*; *femora basi, genua tibiæque fulva*; *alæ hyalinæ*.
mosia tibialis, *Macq. Dipt. Exot. Suppl.* 1, 76, 6.
cida, Yucatan. West Indies.

5. ATOMOSIA INCISURALIS.

'œm. *Nigra*; *abdominis incisuræ albidae*; *tibiæ fuscanæ*; *alæ subcinereæ*.
mosia incisuralis, *Macq. Dipt. Exot.* i. 2, 76, 4, pl. 7, f. 1.
 ja.

South America.

Alæ unicolores.

1. Thorax niger.

A. Femora non annulata.

a. Venæ cubitalis furca antica simplex.

i. Abdomen nigrum.

* Alæ hyalinæ aut subhyalinæ.

† Pedes non hirti.

‡ Pedes nigri; genua rufa.

§ Alæ hyalinæ.

|| Alæ subcinereæ. - - - brevicornis, *Macq.*

||| Pedes anteriores flavi. - - - geniculata, *Wied.*

†† Pedes ciliati. - - - antica, *Wied.*

** Alæ subflavescentes. - - - dasypus, *Wied.*

*** Alæ infumatae.

† Pedes toti nigri. - - - pusilla, *Wied.*

†† Tibiæ flavæ. - - - scoriacea, *Wied.*

ii. Abdomen submetallicum.

* Alæ subhyalinæ. - - - unicolor, *Macq.*

** Alæ infumatae. - - - minuta, *Wied.*

b. Venæ cubitalis furca antica ramulum rejiciens.

appendiculata, *Macq.*

B. Femora postica flavæ annulata. - - - annulipes, *Macq.*

3. Thorax æneus. - - - nigroænea, *Walk.*

Alæ basi hyalinæ apice nigrae.

4. Thorax niger. - - - nigripes, *Macq.*

5. Thorax cupreus. - - - dispar, *Walk.*

6. ATOMOSIA BREVICORNIS.

Fœm. *Nigra*; *mystax niger*; *antennæ breves*; *abdominis suræ albæ*; *genua rufa*; *alæ hyalinæ*.

Atomosia brevicornis, *Macq. Dipt. Exot.* i. 2, 76, 5.

Brazil.

7. ATOMOSIA GENICULATA.

Nigra; *abdominis incisuræ albæ*; *genua rubida*; *alæ subcinctæ halteres rufescentes*.

Laphria geniculata, *Wied. Dipt. Exot.* i. 241, 19; *Auss. Zweifl.* i. 528, 51.

Brazil.

8. ATOMOSIA ANTICA.

Nigra; *pedes anteriores flavi*; *alæ limpidæ*.

Laphria antica, *Wied. Auss. Zweifl.* i. 5, 30, 55.

Brazil.

9. ATOMOSIA DASYPUS.

Fœm. *Nigra*; *abdominis incisuræ albæ*; *pedes posteriores ciliati*; *alæ limpidissimæ*.

Laphria dasypus, *Wied. Auss. Zweifl.* i. 527, 48.

a. Santarem, Brazil. From Mr. Bates' collection.

10. ATOMOSIA PLEURITICA.

Fœm. *Nigra*; *antennarum articulus 3us. haud claratus*; *pedes mellea*; *alæ subflavescentes*.

Laphria pleuritica, *Wied. Auss. Zweifl.* i. 257, 49.

Brazil.

Var. β.? *Tibiæ posticæ apice nigrae*.

a. Santarem, Brazil. From Mr. Bates' collection.

11. ATOMOSIA PUSILLA.

Fœm. *Nigra*; *humeri et genua rubida*; *alæ infumatae*.

Laphria pusilla, *Wied. Auss. Zweifl.* i. 532, 59.

Brazil.

12. ATOMOSIA SCORIACEA.

Scoriaceo-nigra; *tibiae flavae*; *alæ infumatae*.
phria scoriacea, Wied. Auss. Zweifl. i. 529, 53.
 azil.

13. ATOMOSIA UNICOLOR.

Fœm. *Nigra*; *abdomen cyaneo-nigrum*; *pedes nigro-fusci*, *albo hirti*; *alæ subhyalinae*.
Atomosia unicolor, Macq. Dipt. Exot. i. 2, 75, 3, pl. 7. f. 2, 3.
 related to *Laphria puella*, Wied.
 azil.

14. ATOMOSIA MINUTA.

Fœm. *Nigra*; *abdomen submetallicum nitens*; *alæ infumatae*.
phria minuta, Wied. Auss. Zweifl. i. 530, 56.
 azil.

15. ATOMOSIA APPENDICULATA.

Fœm. *Nigra*; *abdominis incisuræ albae*; *alæ hyalinae*; *venæ cubitalis furca antica ramulum rejiciens*.
Atomosia appendiculata, Macq. Dipt. Exot. Suppl. 1, 76, 7, pl. 8, f. 1.
 enne.

16. ATOMOSIA ANNULIPES.

Nigra; *thorax flavo tomentosus*; *abdomen cyaneo-nigrum*; *femora postica flavo annulata*.
Atomosia annulipes, Macq. Dipt. Exot. i. 2, 74, 1.
 azil.

17. ATOMOSIA NIGROÆNEA.

Atomosia nigroænea, Diptera Saundersiana, Pt. 2, 154.
 ombia.

18. ATOMOSIA NIGRIPES.

Fœm. *Nigra*; *alæ basi hyalinae, apice nigrae*.
Atomosia nigripes, Macq. Dipt. Exot. i. 2, 74, 2.
 azil.

19. ATOMOSIA DISPAR.

Purpureo-cuprea; facies, pectus et tibiae anteriores argenteo tomentosa; abdomen et pedes nigra; tibiae anteriores septis longi; femora postica subtus spinosa; alæ nigro-cinereæ, basi limpidae.

Dark purplish cupreous. Thorax and hind part of the head with a few black bristles. Face, pectus and anterior tibiae with silvery white tomentum. Mystax with a few white bristles. Abdomen dull black, tapering from the base to the tip, narrower than the thorax and more than twice its length. Legs black, hardly hairy; anterior tibiae with long bristles; hind femora spinose beneath towards the tips. Wings blackish gray, limpid for more than one third of the length from the base, and with some limpid marks near the base; veins black. Halteres white. Length of the body 5 lines; of the wings 9 lines.

a. Santarem, Brazil. From Mr. Bates' collection.

Asia.

20. ATOMOSIA PURPURATA.

Purpurea, punctatissima; alæ fusco-hyalinæ; pedes rufi, tibiarum apicibus tarsisque nigris.

Atomosia purpurata, Westw. Trans. Ent. Soc. Lond. v. 233, pl. 23, f. 5.

East Indies.

Country unknown.

21. ATOMOSIA PUELLA.

Fœm. *Nigra; facies, mystax, vibrissæ et barba alba; genæ rubida; alæ limpidae.*

Laphria puella, Wied. Auss. Zweifl. i. 531, 58.

Genus 12. CORMANSIS.

Atomosiae similis, at alarum venula discalis et vena extero-media 3a non conjunctæ.

Cormansis, *Diptera Saundersiana*, Pt. 2, 154.

1. CORMANSIS HALICTIDES.

Cormansis Halictides, *Diptera Saundersiana*, Pt. 2, 154.

East Indies.

Genus 13. LAXENECERA.

Caput mystace conspicua. Proboscis porrecta. Antennæ trilatæ, non stylatae, insertione solita; articulus 3us villosus, sus. Oviductus brevis. Venæ cubitalis furca antica simplex.

enecera, Macq. Dipt. Exot. i. 2, 77.

hria p. ? Wied.

Fore fork of the cubital vein slightly undulating, hind fork ed to the first externo-medial vein at a long distance from the latter; second externo-medial vein straight; third forming an acute angle with the præbrachial, joining the fourth very far from the border. Subanal united to the anal near the border.

Africa.

Tibiæ anticae fulvæ. - - - - andrenoides, Macq.

Tibiæ anticae nigræ.

1. Thorax fulvo hirtus. - - - - apiformis, Walk.

3. Thorax albo hirtus. - - - - nigro-cuprea, Walk.

Africa.

1. LAXENECERA ANDRENOIDES.

'œm. *Nigra, flavido hirta; tibiæ anticae fulvæ; aæ subflavescentes.*

teneecera andrenoides, Macq. Dipt. Exot. Suppl. 1, 76, 3, pl. 8, f. 2.

Iraria.

2. LAXENECERA APIFORMIS.

Vigra; thorax fulvo hirtus; abdomen obscure cupreum, fasciis albidiis; aæ subcinereæ, apice obscuriores, venis basi et apud costam halteribusque fulvis.

Black. Head and legs thickly clothed with long whitish testaceous hairs, some of which form the mystax. Thorax with tawny puberulum and hairs. Abdomen dark cupreous; hind borders of the segments with whitish bands. Wings grayish, rather darker towards the tips; veins black, tawny at the base and along the costa. Halteres tawny. Length of the body 6 lines; of the wings 10 lines.

Port Natal. From Mr. Plant's collection.

3. LAXENECERA NIGRO-CUPREA.

Nigro-cuprea, albo pilosa; abdomen fasciis interruptis albo tomentosis; alae subcinereæ; halteres fulvi.

Blackish cupreous. Head black, clothed with whitish hair, and on the hinder part with some black hairs. Face with black hairs. Mystax with slender white bristles. Proboscis, antennæ and legs black. Thorax with whitish hairs; a few black bristles on each side. Hind borders of the abdominal segments with interrupted bands of whitish down. Legs with whitish hairs and with a few short black bristles; tarsi beneath with gilded tomentum. Wings slightly grayish; veins black, tawny at the base and along the costa. Halteres tawny. Length of the body 7 lines; of the wings 12 lines.

a. Port Natal. From Mr. Plant's collection.

East Indies.

4. LAXENECERA ALBIBARBUS.

Nigra; barba alba; mystax maris niger, form. albus; abdominis segmenta albo fasciata; tibiæ flavicantes; alæ flavescentia.

Laxenecera albibarbis, *Macq. Dipt. Exot.* i. 2, 78, 2, pl. 7, f. 4. Acurana sexfasciata? *Diptera Saundersiana*, Pt. 2, 107.

Bengal.

a. East Indies. From Mr. Saunders' collection.

5. LAXENECERA FLAVIBARBUS.

Nigra; barba flava; mystax maris niger, form. flavus; abdominis segmenta flavo fasciata; tibiæ fuscæ, albido hirtæ; alæ hyalinæ, basi flavescentes.

Laxenecera flavibarbis, *Macq. Dipt. Exot.* i. 2, 77, 1.

Laphria hirticornis? *Guér. Icon. Régne Anim. Ins.* pl. 94, f. 1. *Texte*, iii. 536.

Bengal.

Laphria Bengalensis, *Wied.* may belong to this genus.

Genus 14. TAPINOCERA.

Caput mystace conspicuo. Proboscis porrecta. Antennæ triarticulatæ, non stylatæ, insertione infima; articulus 3us obtusus. Oviductus brevis, veuæ cubitalis furca antica simplex.

Tapinocera, *Macq. Dipt. Exot.* i. 2, 78.

Laphria, p., *Wied.*

1. TAPINOCERA BREVICORNIS.

Mas. *Nigra, albo picta; pedes nigro-fusci, tibiis flavescentibus; alae limpidisimæ.*

*aphria brevicornis, Wied. Auss. Zweifl. ii. Suppl. 646, 67.
apinocera brevicornis, Macq. Dipt. Exot. i. 2, 79, pl. 6, f. 5.*

New Holland.

Genus 15. PHONEUS.

Caput mystace conspicuo. Proboscis porrecta. Antennæ tritculatæ, non stylatae; articulus 3us obtusus. Oviductus elongatis. Alarum vena cubitalis furca antica ramulum rejiciens.

honeus, Serv. Macq. Dipt. Exot. i. 2, 79.

Fore fork of the cubital vein slightly curved, angular and emitting a branch near its base; hind fork and first externo-medial ein converging towards each other at some little distance apart n the border; second externo-medial nearly straight; third forming slightly obtuse angle with the præbrachial, joining the fourth at long distance from the border. Subanal joining the anal near the order.

1. PHONEUS SERVILLEI.

Facies alba; mystax niger; thorax fusco trifasciatus; abdomen testaceum; pedes nigri; alæ flavicantes, venis fusco limbatis.

honeus Servillei, Macq. Dipt. Exot. i. 2, 79, 1, pl. 7, f. 5.

Brazil.

Sub-family 4. ASILITES.

Ocelli tres. Antennæ 3-articulatae; arista elongata. Alarum vena radialis subcostali ad apicem sæpiissime connexa.

silite, Macq.

Corpus depresso, latissimum. Abdomen ciliatum.

1. Craspedia.

Corpus non depresso, nec latum, nec ciliatum.

A. Alarum vena radialis furcata; cubitalis simplex.

A. Antennarum articulus 3us elongatus. - 2. Mallophora.

- b. Antennarum articulus 3us brevis. - - - 3. Tru
- B. Alarum vena cubitalis furcata; radialis simplex.
- C. Alarum vena radialis subcostali ad apicem connexa.
 - a. Facies valde prominens. - - - - 4.
 - b. Facies plana aut paullo prominens.
 - i. Oviductus corona spinularum armatus.
 - * Facies plana. - - - - 5. A*j*
 - ** Facies paullo prominens. - - - 6. Proctaca
 - ii. Oviductus spinulis nullis.
 - * Facies paullo prominens.
 - + Antennarum arista mediocris.
 - ‡ Arista simplex.
 - § Sexualia exserta.
 - || Arista gracilis. - - - - 7.
 - ||| Arista crassa. - - - - 8. Polyp*l*
 - §§ Sexualia occulta. - - - - 9. At
 - ## Arista subtus ciliata. - - - - 10. Om*n*
 - †† Antennarum arista longissima, apice spatulat
 - 11. Le
 - ** Facies plana. - - - - 12. Sen op*r*
 - b. Alarum vena radialis costali ad apicem connexa.
 - a. Onychia distincta.
 - i. Corpus breve. - - - - 13. Da
 - ii. Corpus attenuatum. - - - - 14. Ph
 - b. Onychia nulla. - - - - 15. Lepto*g*

Genus 1. CRASPEDIA.

Corpus latissimum, Facies valde convexa. *Mystax*
setosus. Proboscis longa, recta, lanceolata. Antennarum art
lus 2o duplo longior; 3us longilanceolatus, arista brevissim
fere quadruplo longior. Abdominis latera fasciculis c
Femora tibiæque subtus spinosa.

Craspedia, Macq. *Dipt. Exot.* i. 2, 83.

Asilus, p., Wied.

Blepharotes, West.

Radial vein joining the subcostal at a long distance from
tip of the latter. Fore fork of the cubital vein very slightly cur-
ved, hind fork much curved, forming, with the fore fork, a subfusc
areolet. First externo-medial vein curved; second straight;
forming a hardly obtuse angle with the præbrachial, joining
fourth far from the border. Subanal joining the anal very far
from the border.

1. CRASPEDIA CORIARIA.

Nigra; mystax albidus; abdomen rufum, nigro ciliatum; alæ fusce.

silus coriarius, Wied.

—d. Melbourne, Australia. From Mr. Baly's collection.

2. CRASPEDIA AUDOUINII.

Nigra; mystax aureus; abdomen cæruleo-nigrum; alæ nigro-fusce, venis posticis flavo marginatis.

Craspedia Audouinii, Macq.

Australia.

Genus 2. MALLOPHORA.

Corpus non depresso, nec ciliatum. Anteonarum articulus us lanceolatus, arista longissima. Alæ venis externo-mediis minque.

Mallophora, Serville. Macq. Hist. Nat. Dipt. Loew, Linn. Ent.
iii. 390, 1.

silus, p., Wied.; Perty.

Asympogon, p., Fabr.

Mediastinal vein ending at much beyond half the length of the wing. Subcostal connected with the fore fork of the radial near the p of the wing. Forks of the radial very long; hind fork curved forward, joining the costal at a little in front of the tip of the wing, very near the cubital, and connected with it by a transverse veinlet, from whence a spurious vein proceeds to the border. First externo-medial slightly curved and parallel to the cubital in its apical part, connected with the cubital before the middle of the discal areolet by a transverse veinlet, from whence proceeds a second spurious vein, while a third proceeds from the veinlet which connects the first and second externo-medial veins and terminates the discal areolet. Third externo-medial very slightly curved, forming a nearly right angle with the præbrachial, joining the fourth at a long distance from the border. Subanal connected with the anal at some distance from the border. The wing-veins of this genus indicate that its flight is more powerful than that of other *Asilites*, and accord with a robust structure. In *M. heteroptera* and in *M. singularis* the cubital and the first externo-medial veins are united near the border, and in the latter species the third externo-medial forms an obtuse angle with the præbrachial, and joins the fourth at a very long distance from the border.

In this genus, of which *Trupanea* is a subgenus or group, the veins of the wings differ much in structure from those of the other *Asilites* and of the *Dasyponites* and *Laphrites*. The veins are equal in number to those of the other Asilidæ, but the radial vein is forked at more or less before half its length, and the cubital is simple.

North America.

- A. Alæ nigro-fuscæ. - - - - - ardens, Macq.
- B. Alæ fuscæ.
 - A. Corpus pilis pallidis. - - - - - analis, Macq.
 - B. Corpus pilis ex parte nigris. - - - - - orcina, Wied.
- C. Alæ flavescentes.
 - A. Tibiæ nigrae. - - - - - bomboides, Hoffm.
 - B. Tibiæ fulvæ. - - - - - heteroptera, Macq.
- D. Alæ hyalinae, extus obscuræ. - - - - - minuta, Macq.

1. MALLOPHORA ARDENSI.

Mas. *Atra*; *thorax rubro hirsutus*; *abdomen basi flavum, apice nigrum*; *alæ nigro-fuscæ, violaceo nitentes*.

Mallophora ardens, Macq. Hist. Nat. Dipt. i. 302, 4; Dipt. Exot. i. 289, 12, pl. 8, f. 2.

United States.

2. MALLOPHORA ANALIS.

Nigra; *alæ fuscæ*. Mas.—*Rufo pilosus*. Fem.—*Flavo pilosus*.
Mallophora analis, Macq. Dipt. Exot. Suppl. 1, 78, 20.

Texas.

3. MALLOPHORA ORCINA.

Fem. *Nigra, nigro hirta*; *thorax apice, scutellum et abdomen basi sulphureo hirta*; *alæ cinereo-fuscæ*.

Asilus orcinus, Wied. Ausl. Zweifl. i. 477, 79.

United States.

4. MALLOPHORA BOMBOIDES.

Atra; *caput, pleuri, scutellum et abdomen basi apiceque alba, et cinerea, aut flava*.

Asilus bomboides, Hoffm.; Wied.

Georgia.

5. MALLOPHORA HETEROPTERA.

Fœm. *Atra*; thorax et abdomen flavo hirsuta; tibiae fulvæ; alæ flavescentes, ad costam subfuscæ, venis externo-mediis 1a et 2a ante alæ marginem conjunctis.

Mallophora heteroptera, Macq. Dipt. Exot. i. 2, 90, 13, pl. 8, f. 3.
Philadelphia.

6. MALLOPHORA MINUTA.

Nigra; mystax albidus; thorax flavo pilosus, disco nigro; abdominis segmenta albo marginata; pedes flavo pilosi, tibiis basi flavis; alæ hyalinae, extus obscuræ.

Mallophora minuta, Macq. Hist. Nat. Dipt. i. 302, 5.
Philadelphia.

West Indies.

7. MALLOPHORA SCOPIFERA.

Mas. *Nigra*; scutellum flavum; abdomen flavo pilosum, ano nigro; pedes castanei, tarsis posticis nigro hirsutissimis; alæ rufescentes.

Mallophora scopifera, Macq. Dipt. Exot. i. 2, 89, 10.
uba.

situs scopifer? Wied. Auss. Zweifl. i. 478, 83.

Ochracea; antennæ fulvæ, articulo 3o nigro; thorax vittis obsoletissimis nigris; abdomen nigrum, albo pilosum; pedes castaneo fuscii, tibiis posticis basi albis; alæ flavescentes.

razil.

South America.

Abdomen non metallicum.

A. Alæ nigro-fuscae. - - - - Freycineti, Macq.

Corpus totum nigro hirtum.

a. Tibiae tarsiæ anteriora nigra. - Xylocopides, Walk.

b. Tibiae tarsiæ anteriora rufa. - contraria, Walk.

Corpus ex parte ferrugineo hirtum.

a. Scutellum fulvo hirtum. - - - infernalis, Wied.

b. Scutellum nigro hirtum. - - - Minos, Wied.

B. Alæ fuscæ, basi et ad costam nigrae. - - albifrons, Walk.

C. Alæ fuscae.**A. Thorax niger.**

- a. Pedes toti nigro hirti.**
 - i. Thorax totus nigro hirtus. - - - Pluto, Wied.
 - ii. Thorax ex parte fulvo hirtus.
 - * Abdomen nigro hirtum. - - - Leschenaultii, Mac.
 - ** Abdomen rufo hirtum. - - - rufiventris, Mac.
 - *** Abdomen apice rufo hirtum. - - - ruficanda, Wied.
- b. Pedes ex parte flavo pilosi.**
 - i. Thorax totus nigro hirtus.
 - * Abdomen totum nigro hirtum. - - - tibialis, Mac.
 - ** Abdomen ex parte flavo hirtum.
 - i. Abdomen subtus apice flavo hirtum. ventralis, Mac.
 - ii. Abdomen fulvo hirtum. - - - robusta, Wied.
 - ii. Thorax ex parte flavo hirtus.
 - * Abdomen basi apiceque flavum. - - - Sylveirii, Mac.
 - ** Abdomen flavo trifasciatum. - - - ciliata, Wied.
 - *** Abdomen flavum, apice nigrum. - - - opposita, Wied.
 - **** Abdomen totum nigrum. - - - cinerascens, Wied.

b. Thorax cinereus, fuscus aut castaneus.

- a. Femora nigra.** - - - antiqua, Wied.
- b. Femora ex parte nigra.**
 - i. Abdomen nigrum. - - - pusilla, Mac.
 - ii. Abdomen fuscum. - - - singularis, Mac.
- b. Femora mellea.** - - - geniculata, Mac.

D. Alæ fulvæ aut flavescentes.

- A. Thorax nigro pilosus.** - - - Lampon, Wied.
- B. Thorax fulvo pilosus.**
 - a. Abdomen concolor.**
 - i. Tarsi nigri.
 - * Femora nigra. - - - nigrifemorata, Mac.
 - ** Femora mellea. - - - nigrirtaria, Fab.
 - ii. Tarsi postice argentei.
 - argentipes, Mac.
 - b. Abdomen ferrugineum. - - - Amphinome, Wied.
 - E. Alæ fasciatæ.** - - - fasciata, Wied.
 - F. Alæ limpidae.** - - - tricolor, Wied.
 - G. Alæ —————?** - - - atra, Mac.
 - B. Abdomen metallicum.**
 - A. Mystax fulvo hirtus.** - - - candens, Wied.
 - B. Mystax nigro hirtus.** - - - purpurea, Wied.

8. MALLOPHORA FREYCINETI.

Fem. *Ceruleo-nigra*; *alæ nigro-fuscae, cæruleo nitentes.*

Mallophora Freycineti, *Macq. Dipt. Exot.* i. 2, 85, 2; *Suppl.* 1, 77,
19.

axil.

9. MALLOPHORA XYLOCOPIDES.

Mallophora Xylocopides, *Diptera Saundersiana*, Pt. 2, 111.

râ.

10. MALLOPHORA CONTRARIA.

Mallophora contraria, *Diptera Saundersiana*, Pt. 2, 113.

ith America.

11. MALLOPHORA INFERNALIS.

Nigra; scutellum et abdominis latera fulvo hirta; alæ nigro-fuscae, cæruleo nitentes.

Ius infernalis, Wied. Dipt. Exot. i. 202, 35; *Auss. Zweifl.* i. 475, 76.

axil.

12. MALLOPHORA MINOS.

Vigra; scutellum nigro hirtum; abdominis latera fulvo hirta; femora tibiaeque postica ex parte flavo hirta; alæ nigro-fuscae, cæruleo nitentes.

Ius Minos, Wied. Auss. Zweifl. i. 478, 82.

axil?

13. MALLOPHORA ALBIFRONS.

Nigra, nigro hirta; caput albo pilosum; alæ fuscae, cyaneo nitentes, basi et ad costam nigræ.

Mallophora albifrons, *Walk. Zool.* viii. *Append.* xcvi.

ith America.

14. MALLOPHORA PLUTO.

'om. *Nigro, nigro hirta; abdomen fulvo hirtum, basi nigrum; alæ fuscescentes, violaceo nitentes.*

Ius Pluto, Wied.

axil.

15. **MALLOPHORA LESCHENAULTII.**

Mas. Atra; scutellum fulvum; alæ fusca.

Mallophora Leschenaultii, Macq. Dipt. Exot. i. 2, 86, 3.

Lamana, Brazil.

16. **MALLOPHORA RUFIVENTRIS.**

*Fœm. Atra; caput, scutellum et abdomen rufo hirta; de
fusca.*

Mallophora rufiventris, Macq. Dipt. Exot. i. 2, 91, 16.

South America.

17. **MALLOPHORA RUFICAUDA.**

*Nigra, nigro hirta; caput, thorax et scutellum sulphureo hirti;
abdomen apice fulvo hirtum; alæ cinereo-fusca, cyano-
nitentes. Mas.—Pedes postici castaneo fusi, tibialis alba
hirtis.*

Asilus ruficauda, Wied. Auss. Zweifl. i. 476, 78.

Monte Video.

18. **MALLOPHORA TIBIALIS.**

Nigra; tibiae postice testacea, basi apiceque nigrae; alæ fuscæ.

*Mallophora tibialis, Macq. Dipt. Exot. Suppl. 1, 77, 17, pl. 8, f. 1.
Guiana.*

19. **MALLOPHORA VENTRALIS.**

*Atra; venter apice flava; femora tibiæque postica externe flava;
alæ fusca.*

Mallophora ventralis, Macq. Dipt. Exot. i. 2, 91, 15.

South America?

20. **MALLOPHORA ROBUSTA.**

*Nigra, nigro hirta; mystax aureus; abdomen fulvo hirtum, lati-
utrinque flavo hirtum; pedes obscure castaneo fusi, tibiæ
posticis dimidio apicali albo hirtis, anticis intus aurati; de-
fuscescentes, violaceo nitentes.*

*Asilus robustus, Wied. Auss. Zweifl. i. 478, 81. Macq. Dipt.
Exot. Suppl. 1, 78.*

South America.

21. MALLOPHORA SYLVEIRII.

em. *Atra; caput, scutellum et abdomen basi apiceque flava;*
tibiæ posticæ fuscaæ aut testaceaæ, albo vel flavo pilosaæ; alæ
fuscaæ.

lophora Sylveirii, Macq. Dipt. Exot. i. 2, 86, 5.

sil.

22. MALLOPHORA OPPOSITA.

lophora opposita, Diptera Saundersiana, Pt. 2, 112.

zil.

23. MALLOPHORA CILIATA.

lophora ciliata, Diptera Saundersiana, Pt. 2, 114.

In America?

24. MALLOPHORA CINERASCENS.

em. *Nigra, cinereo tomentosa, subtus flavo pilosa; mystax setis*
fulvis nigrisque; pedes lutei, femoribus supra nigro vittatis,
tibiis apice tarsisque nigris; alæ fuscescentes, ad costam ob-
scuriiores.

Black, with cinereous tomentum; under side with yellowish grey and with black bristles. Beard with black bristles. Abdomen on each side at the base with a tuft of yellow hairs, with which there are a few black hairs. Legs luteous, thinly clothed with short yellow hairs; femora above with black stripes; tarsi and tips of the tibiae black. Wings brownish, darker along the costa. Length of the body 9 lines; of the wings 16 lines.

Cará. From Mr. Bates' collection.

25. MALLOPHORA ANTIQUA.

em. *Nigra, cinereo tomentosa; caput albo pilosum; mystax*
albidus; thorax vittis tribus nigricantibus; abdomen stylo
lævi nitido; tibiæ luteæ, apice nigrae; alæ subfuscantes.

Black, with cinereous tomentum. Head testaceous in front, white, and with white hairs behind and beneath. Beard with black bristles. Thorax with three blackish stripes; lateral pair ruptured; sides and scutellum with black bristles. Abdomen about twice the length of the thorax, extending beyond the wings;

apical third part stylate, shining, transversely ribbed. Legs black; tibiae luteous, with black tips; onychia ferruginous. V slightly brownish. Halteres ferruginous. Length of the body lines; of the wings 14 lines.

a. Vera Cruz. From M. Sallé's collection.

26. MALLOPHORA PUSILLA.

Fœm. *Thorax castaneus; abdomen nigrum, flavidus, hirsutus; pedes testacei, femoribus supra nigris; alis fusca, extero-mediis la et 2a ante marginem conjunctis.*

Mallophora pusilla, Macq. Dipt. Exot. i. 2, 88, 9.

Brazil.

27. MALLOPHORA SINGULARIS.

Mas. *Fusca, fulvo pilosa; pedes testacei, femoribus supra fasciatis; alae fuscae, venis extero-mediis la et 2a marginem conjunctis.*

Mallophora singularis, Macq. Dipt. Exot. i. 2, 87, 6, pl. 8, f. 4
Guaratuba.

28. MALLOPHORA GENICULATA.

Mas. *Fusca, fulvo pilosa; abdomen apice nigrum; pedes in tibiis basi externe flavidis; alae fuscae, violaceo nitentes.*

Mallophora geniculata, Macq. Dipt. Exot. i. 2, 87, 7.

a, b. Brazil. From Mr. Bates' collection.

29. MALLOPHORA LAMPON.

Asilus Lampon, Cat. of Diptera, Pt. 2, 388.

Brazil.

30. MALLOPHORA NIGRIFEMORATA.

Fœm. *Fusca, fulvito pilosa; thoracis fascia nigro pilosa; abdomen maculis dorsalibus nigris; femora tarsique nigra; tibiis mellei; alae pallide fusco-flavescentes.*

Mallophora nigrifemorata, Macq. Dipt. Exot. i. 2, 90, 14.

Brazil?

31. MALLOPHORA NIGRITARSIS.

Fusca, fulvito pilosa; pedes mellei, tarsis posticis dilatatis nigri; alae flavescentes.

Dasyypogon nigritarsis, Fabr.

This species and *M. cinerascens* differ from the typical form in the abdomen and the legs, which are but slightly hairy, and the latter are not ciliated. The spurious veins of the wings are distinct.

32. MALLOPHORA FASCIATA.

Atra; barba flava; abdominis segmenta flavo limbata; tibiae postice basi flavae; alæ fusce, fascia lata hyalina.

Mallophora tibialis, Macq. *Dipt. Exot.* i. 2, 85, 1.

Mallophora fasciata, *Diptera Saundersiana*, Pt. 2, 112.

Santarem. From Mr. Bates' collection.

Pará. From Mr. Bates' collection.

Brazil. Guiana. Cayenne.

33. MALLOPHORA TRICOLOR.

Nigra, nigro hirta; caput albo pilosum; antennæ rufæ, basi nigrae; thorax rufo trivittatus; abdomen medio fulvum, apice rufum; tibiae tarsiique postice flavae; alæ limpidæ.

Mallophora tricolor, Walk. *Zool.* viii. *Append.* xcix.

Mallophora Amphinome, Var.?

b. Pará. From Mr. Bates' collection.

d. Tapayos, Brazil. From Mr. Bates' collection.

34. MALLOPHORA ATRA.

Nigra; mystacis fasciculus barbaque alba; occipitis pili flavescentes; femora apice et tibiæ dimidio basali subtus alba.

Mallophora atra, Macq. *Hist. Nat. Dipt.* i. 302, 3.

Brazil.

35. MALLOPHORA CANDENS.

Rupanea candens, *Insecta Saundersiana*, Pt. 2, 117.

South America.

Pará. From Mr. Bates's collection.

In one wing of this specimen the fourth externo-medial vein bears a single much-curved vein with the fifth, which does not extend to the border.

36. MALLOPHORA PURPUREA.

Atra, nigro hirta ; antennæ rufo cinctæ ; scutellum, thoracique latera picea ; abdomen purpureum, segmentorum marginibus posticis fulvis ; pedes picei, tarsis fulvis ; alæ fuscæ.

Trupanea purpurea, *Walk. Zool.* viii. *Append.* xviii.

a. Paræ. From Mr. Bates' collection.

b, c. Santarem. From Mr. Bates' collection.

In this and the preceding species the abdomen is pubescent, not hairy. The fore fork of the radial vein is slightly undulating, connected with the subcostal very near the tip of the latter and near the tip of the wing. Third externo-medial vein curved outward. Subanal joining the anal near the border.

Genus 3. TRUPANEA.

Corpus non depresso, nec ciliatum ; antennæ articulo 3o brevi, stylo sat crasso ; alæ areolis tribus submarginalibus.

Trupanea, *Macq. Dipt. Exot.* i. 2, 91.

Asilus p., *Fabr.* ; *Wied.*

Loew rejects the name *Trupanea* for this genus, and divides it into three genera, which are here mentioned as groups.

Group 1. PROMACHUS.

Corpus crassum, plus minusve hirtum. Antennæ remotæ ; articulus 3us brevis aut mediocriter elongatus. Abdomen obconicum, mediae longitudinis. Pedes sat validi, non incrassati ; tarsorum articulus 1us 2o equalis aut paulo longior. Mas.—Abdomen alas non superans. Sexualia mediae magnitudinis, valde extantia. Fem.—Sexualia elongata, stylata.

Promachus, *Loew, Linn. Ent.* iii. 390, 2 ; 403.

Wing-veins like those of *Mallophora*. *Male.*—Sexualia larger and more prominent than those of *Mallophora*. *Fem.*—Sexualia more divergent than those of *Mallophora*.

Trupanea maculata *Fabr.* ; T. picta *Meig.* ; T. leonina *Loew* ; T. trichonotus *Wied.* ; T. fasciata *Fabr.*

Group 2. PHILOCIDUS.

Corpus nudiusculum. Antennæ approximatæ ; articulus 3o

s. Pedes spinosi, sat graciles; tarsorum articulus 1us 2o longior. *Mas.*—Sexualia mediocriter crassa. *Fem.*—Sexonica, circulo spinarum terminata.

is, *Loew, Linn. Ent.* iii. 391, 3; 403.

s more slender and more spinose than those of *Promachus*.
a javana, *Wied.*

Group 3. ALCIMUS.

pus nudum. Antennæ approximatae; articulus 3us longus, sat tenuis. Abdomen tenue, elongatum. Pedes graciles; articulus 1us 2o 3oque conjunctim plerumque longior. Sexualia parva, recta. *Fem.*—Sexualia attenuata, cylindro spinarum terminata.

Loew, Linn. Ent. iii. 391, 4, 403.

a longipes, *Macq.*, and most South African species.

Europe.

1. TRUPANEA LEONINA.

et Fem. *Nigra, densissime flavo pilosa; tibiae luteæ; alæ uscæntes.*

us leoninus, *Loew, Linn. Ent.* iii. 404, 1.

nor and the Isles of Greece.

Europe?

2. TRUPANEA MACULATA.

cinerea; thorax vittis obsoletis fuscis; abdomen ferrugineum, aculis dorsalibus atris; pedes fuscis, tibialis luteis; alæ limidae; halteres fuscis.

maculatus, Fabr. Syst. Ent. 794, 17, 21; *Sp. Ins.* ii. 464, *Ent. Syst.* iv. 383, 33. *Gmel. ed. Syst. Nat.* i. 5, 2898, *Wied. Zool. Mag.* i. 2, 28; *Dipt. Exot.* i. 202, 36; *Auss. eifl.* i. 483, 89. *Meig. Zweifl.* ii. 307, 1.

on maculatus, Fabr. Syst. Antl. 169, 24.

a maculata, Macq. Dipt. Exot. i. 2, 99, 17.
ius maculatus, Loew, Linn. Ent. iii. 406.

s. East Indies. Cochin China.

3. TRUPANEAE PIOTA.

Testaceo-nigroque varia ; mystax sulphureus ; antennæ apice clavatae ; pedes nigri, tibiis anterioribus testaceis ; alæ fuscantes ; halteres fusi.

Asilus pictus, Meig. Zweifl. ii. 307, 2, pl. 21, f. 6, 8.

Hungary?

North America.

- | | | |
|---|-------|-------------------|
| A. Femora nigra ; tibiae rubidæ. | | |
| A. Thorax glauco-cinerascens. | - - - | vertebrata, Say. |
| B. Thorax niger, flavo hirtus. | | |
| A. Alæ apud marginem posticum fuscescentes. laphroides, Wied. | | |
| B. Alæ obscure fuscae. | - - - | perpusilla, Walk. |
| B. Femora nigro vittata. | - - - | Lævinus, Walk. |
| C. Pedes castaneo fusci. | - - - | quadrata, Wied. |
| D. Pedes rufi. | - - - | rubiginis, Walk. |
| E. Pedes testacei. | - - - | Bastardii, Mac. |

Group 1.

Corpus hirtum, setosum. Facies apud epistoma valde convexa. Mystax densissime pilosus. Proboscis valida, lanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us 1o non longior; arista 3o duplo longior. Pedes validi, pilosi, spinosi. Mæ.-Abdomen oblateolatum, apice fasciculatum. Fæm.—Abdomen bis triente basali longi-obconicum, triente apicali valde compressum, spiniforme.

Mediastinal vein ending at a little beyond half the length of the wing. Forks of the radial vein very long; fore fork hardly undulating, connected with the subcostal very near the tip of the latter and near the tip of the wing; hind fork slightly curved forward, joining the costal at very little in front of the tip of the wing very near the cubital, and connected with it by a transverse veinlet. First externo-medial hardly curved, but nearly parallel to the cubital, with which it is connected by a transverse veinlet at one-third of the length of the discal areolet; second almost straight; third slightly curved, forming a very slightly obtuse angle with the præbrachial, joining the fourth far from the border of the wing. Subanal joining the anal at some distance from the border. The shorter third joint of the antennæ seems to be the only character which distinguishes this genus from *Mallophora*.

4. TRUPANEA VERTEBRATA.

Glauco-cinerascens; abdomen maculis transversis nigellis; tibiae rubidae.

Asilus vertebratus, Say, Journ. Acad. Philad. 47, 1. Wied. Auss. Zweifl. i. 485, 91.

Trupanea vertebrata, *Macq. Dipt. Exot. i. 2, 103, 27.*

United States.

5. TRUPANEA LAPHROIDES.

Nigra; caput albo pilosum; thorax flavido hirtus; abdominis niciuræ flavescentes; tibiae fulvae; alæ apud marginem posticum fuscantes.

Asilus laphroides, Wied. Auss. Zweifl. i. 483, 88.

Kentucky.

6. TRUPANEA PERPUSILLA.

Trupanea perpusilla, *Insecta Saundersiana, Pt. 2, 123.*

United States.

7. TRUPANEA LEVINUS.

Asilus Levinus, Cat. of Diptera, Pt. 2, 392.

United States.

8. TRUPANEA QUADRATA.

Mas. Rufo-fusca; thorax vittis tribus fuscis; abdomen nigrum, fuscano limbatum, incisuris albis; pedes castaneo fusi; alæ subflavescentes.

Asilus quadratus, Wied. Dipt. Exot. i. 201, 34; Auss. Zweifl. i. 485, 90.

Georgia.

9. TRUPANEA RUBIGINIS.

Trupanea rubiginis, *Insecta Saundersiana, Pt. 2, 123.*

North America.

10. TRUPANEA BASTARDII.

Mas. Nigra; abdominis incisurae albae, medio interruptæ; pedes testacei; alæ flavidæ.

Trupanea Bastardii, *Macq. Dipt. Exot. i. 2, 104, 30.*

North America.

South America.

A. Thorax niger aut cinereus.**A. Abdomen non metallicolor.****A. Alæ fuscæ.**

- a. Abdomen cingulis albis. - - - - - fuscipennis, Mac.
- b. Abdomen basi albo fasciatum. - - - - - annularis, Fab.

B. Alæ hyalinae.

- a. Pedes toti nigri. - - - - - nigripes, Mac.
- b. Pedes ex parte pallidi.
 - i. Abdomen incisuris albidis. - - - - - gracilis, Mac.
 - ii. Abdomen lateribus testaceis. - - - - - spissibarbis, Mac.

B. Abdomen chalybeum.**c. Alæ flavescentes.****B. Thorax fuscus.****C. Thorax fuscus, vittis fulvis.**

- A. Femora nigra. - - - - - rufipes, Fab.
- B. Femora fulva. - - - - - captans, Wall.

D. Thorax fulvus aut cervinus vittis nigris.

- A. Thorax cristatus.** - - - - - trichonotus, Wall.

B. Thorax non cristatus.**A. Alæ fuscæ.**

- a. Abdomen fasciis fulvis aut testaceis. - - - - - flavifasciata, Mac.
- b. Abdomen fasciis albis. - - - - - breviuscula, Wall.

B. Alæ fuscæ, apice cinereæ.

- a. Thorax nigro brivittatus. - - - - - mitescens, Wall.
- b. Thorax nigro quadrivittatus. - - - - - substituta, Wall.

c. Alæ flavidæ.

- a. Pedes castanei. - - - - - quatuor lineata, Mac.
- b. Pedes nigri.
 - i. Abdominis latera maculata. - - - - - nigripes, Fab.
 - ii. Abdominis latera non maculata. - - - - - Heydenii, Wall.

E. Thorax flavidus, fusco vittatus.**F. Thorax fulvus.** - - - - - connexa, Wall.**perfecta, Wall.**

Group 1.

Corpus pilosum, non setosum. Facies apud epistoma convexa. *Mystax* dense pilosus. Proboscis valida, lanceolata. Antennæ articulus 1us 2o duplo longior; 3us lo non longior; arista lo plus duplo longior. Pedes validi, spinosi, parce pilosi. *Mas.*—Abdomen oblongolatum, apice non fasciculatum. *Fem.*—Abdomen longoconicum, triente aut plus triente apicali valde compressum, spiniforme.

Fore fork of the radial vein hardly undulating, joining the sub-

al at a short distance from the tip of the latter; hind fork curved ward; cubital vein almost straight, connected with the radial by inlet much beyond the end of the discal areolet, and with the branch of the præbrachial by a veinlet at much before half the th of the discal areolet. First externo-medial vein parallel to cubital; third forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the l far from the border.

panea annularis, *Fabr.*; *T. flavifasciata*, *Macq.*; *T. breviuscula*, *Walk.*

11. TRUPANEA FUSCIPENNIS.

cas. Nigra; *mystax supra niger, subtus fulvus*; *thorax lineis et abdomen incisuris albis*; *ala fuscæ*.

panea fuscipennis, *Macq. Dipt. Exot. Suppl.* 1, 81, 44, pl. 8, f. 4.

Grenada. Warm Region.

12. TRUPANEA ANNULARIS.

nigra, nigro hirta; *caput subtus albido hirtum*; *abdomen basi albo fasciatum*; *tibiae flavae, basi apiceque nigræ*; *alæ fuscæ*.

hypogon annularis, *Fabr.*

13. TRUPANEA NIGRIPES.

cas. Atra; *thorax lineis, abdomen incisuris lateribusque cinereis*; *alæ violaceo hyalinae*.

panea nigripes, *Macq. Dipt. Exot. i.* 2, 101, 23.

sil.

14. TRUPANEA GRACILIS.

cas. Cinerea, gracilis; *abdomen fuscum, incisuris albidis*; *pedes nigri, femoribus subtus tibisque apice testaceis, tarsis fuscoculvis*; *alæ hyalinae, apice cinerea*.

panea gracilis, *Macq. Dipt. Exot. i.* 2, 102, 25.

sil.

15. TRUPANEA SPISSIBARBIS.

cas. Mystax flavus; *thorax cinereo tomentosus vittis fuscis*; *abdominis latera testacea*; *femora postica supra testacea*; *alæ subhyalinae*.

panea spissibarbis, *Macq. Dipt. Exot. Suppl.* 1, 80, 43.

li.

16. TRUPANEA BARBIPES.

Nigra ; thorax vittis fuscescentibus ; abdomen chalybeum, fulvo hirtum ; tibiae posticæ fulvo barbatæ ; pedes castaneo fuscantes ; alæ subviolacea.

Laphria barbipes, Wied. Zool. Mag. iii. 48, 11; Dipt. Exot. i. 22, 13.

Asilus barbipes, Wied. Auss. Zweifl. i. 480, 86.

Brazil.

17. TRUPANEA? PYRRHOMYSTAX.

Nigra ; thorax cinerascens, nigro vittatus ; abdomen utrinque in culis transversis segmentoque apicali albis, forcipe rubro ; alæ flavescentes, apice cinereæ.

Asilus pyrrhomystax, Wied. Auss. Zweifl. i. 497, 111.

Var? Asilus melaleucus, Wied. Auss. Zweifl. i. 498, 112.

Brazil.

18. TRUPANEA CALIDA.

Fusca ; antennæ nigrae ; thorax flavido hirtus ; abdomen nigro incisuris flavidis ; pedes castaneo fuscæ, tibiis fulvis ; alæ flavescentes.

Asilus calidus, Fabr. Ent. Syst. iv. 380, 17. Wied. Dipt. Exot. 210, 48 ; Auss. Zweifl. i. 482, 87.

Laphria calida, Fabr. Syst. Antl. 159, 12.

Brazil. Cayenne.

19. TRUPANEA RUFIPES.

Fusca ; antennæ nigrae ; thorax vittis fulvis aut ferrugineis ; abdomen flavidum, vittis abbreviatis nigris ; pedes nigri, femoribus fulvis ; alæ flavidæ.

Asilus rufipes, Fabr. Syst. Ent. 794, 16; Ent. Syst. iv. 383, 32. Wied. Dipt. Exot. i. 203, 38; Auss. Zweifl. i. 487, 93.

Dasyptogon rufipes, Fabr. Syst. Antl. 169, 23.

South? America.

20. TRUPANEA CAPTANS.

Trupanea captans, Insecta Saundersiana, Pt. 2, 117.

South America.

21. TRUPANEA TRICHONOTUS.

Vigra; *mystax albo flavescens*; *thorax cervinus, cristatus, vittis nigris*; *abdomen fasciis duabus pilosis albis*; *tibiae melleæ; alæ flavo-fuscæ, apice subcinereæ.*
lus trichonotus, Wied. Auss. Zweifl. i. 490, 97.
machus trichonotus, Loew, Linn. Ent. iii. 407.
 South America.

22. TRUPANEA FLAVIFASCIATA.

Vigra; *palpi nigri pilosi*; *thorax rufus nigro vittatus*; *abdominis segmenta rufolimbata*; *alæ fuscæ.*
panea flavifasciata, Macq. Dipt. Exot. i. 2, 102, 26, pl. 9, f. 1.
 c. Pará. From Mr. Bates' collection.
 South America. From Mr. Saunders' collection.

23. TRUPANEA BREVIUSCULA.

'œm. *Nigra*; *caput subtus albo hirtum*; *facies testacea*; *thorax fulvo quinquevittatus*; *pectus testaceum, nigro varium*; *abdomen albo bifasciatum*; *alæ fuscaæ.*

Black. Head with testaceous tomentum, white behind, clothed by white hairs beneath. *Mystax* with black and whitish bristles. *Thorax* with five tawny stripes. *Pectus* partly covered with pale testaceous tomentum. *Abdomen* with a tuft of black and whitish hairs on each side at the base; second and third segments with tufts of white hairs on their hind borders, and, like the fourth, with pot of white tomentum on each side. Wings brown. *Halteres* testaceous. Length of the body 6 lines; of the wings 10 lines.

This species much resembles the female of *T. flavifasciata*, but the attenuated part of the abdomen is shorter, and the abdominal hairs are of a different colour.

Tapayos, Amazon Region. From Mr. Bates' collection.

24. TRUPANEA MITESCENS.

upanea mitescens, Insecta Saundersiana, Pt. 2, 118.
 South America.

25. TRUPANEA SUBSTITUTA.

upanea substituta, Insecta Saundersiana, Pt. 2, 119.
 South America.

26. TRUPANEA QUATUORLINEATA.

Cinereo-rubida; thoracis vitta intermedia lineis quatuor fuscis;
abdomen nigrum, incisuris albidis; pedes castani; alæ
flavidae.

Trupanea quatuorlineata, *Macq. Dipt. Exot.* i. 2, 102, 24.

Brazil.

27. TRUPANEA NIGRIPES.

Fulva; thorax nigro vittatus; abdomen nigrum, maculæ lateraliæ
bus tricornis, fasciisque albido aut fulvo pilosis; pedes nigri;
alæ flavescentes, apice margineque postico cinereis.

Asilus nigripes, *Fabr. Ent. Syst.* iv. 385, 39; *Syst. Anil.* 17,
 34. *Wied. Dipt. Exot.* i. 209, 47; *Auss. Zweifl.* i. 480, 85.

Brazil.

28. TRUPANEA HEYDENII.

Fœm. *Nigra; thorax cervinus, nigro vittatus; abdomen fuscum*
basi tribus albo pilosis; alæ flavescentes, areolarum apicibus
discis cinereis.

Asilus Heydenii, *Wied. Auss. Zweifl.* i. 490, 98.

Brazil.

29. TRUPANEA CONNEXA.

Flavida; antennæ nigrae; thorax fusco vittatus; abdomen nigro
tessellatum, apice omnino flavidum; pedes nigri, genua
tibiisque fulvis; alæ subflavescentes.

Asilus connexus, *Wied. Auss. Zweifl.* i. 497, 110.

Monte Video.

30. TRUPANEA PERFECTA.

Trupanea perfecta, *Diptera Saundersiana*, Pt. 2, 120.

South America.

Canary Isles.

31. TRUPANEA LATITARSATA.

Cinerea; abdomen maculis nigris; pedes testacei, femoribus supra
nigris; alæ subflavescentes. Mas.—Tarsi postici late pilos.

Trupanea latitarsata, *Macq. Dipt. Exot.* i. 2, 93, 2.

Asilus latitarsatus, *Macq. Hist. des Iles Canaries*, de Webb et
 Berthelot.

32. TRUPANEA CONSANGUINEA.

Cinerea; facies barbaque albæ; mystax flavido-nigroque parum mixta; abdomini segmenta singula macula magna nigro micante; pedes testacei, femoribus fascia longitrosum nigra; ale subflavescentes. Mas.—Anus albus.

ipanea consanguinea, Macq. Dipt. Exot. i. 2, 94, 3.

nary Isles.

Africa.

Pedes nigri; tibiæ nonnumquam pallide.

A. Ale subfuscæ. - - - - - temeraria, Walk.
B. Ale fuscæ strigatae.

a. Abdomen ferrugineum, nigro-alboque maculatum.

b. Abdomen fuscum, fasciis canis. - - Alamanus, Walk.

C. Ale flavescentes.

A. *Mystax niger.* - - - - - fasciata, Fabr.

B. *Mystax flavus.* - - - - - caffra, Macq.

D. Ale rufescentes. - - - - - Robertii, Macq.

Pedes nigro varii.

A. Abdomen fuscum aut canum. - - Turinus, Walk.

B. Abdomen nigrum.

a. Abdomen rufo marginatum.

a. Abdomen rufo fasciatum.

i. Thorax vittis nigris. - - Guineensis, Wied.

ii. Thorax vittis fuscis. - - Pœtinus, Walk.

b. Abdomen rufo non fasciatum. - - limbata, Macq.

B. Abdomen rufo non marginatum.

a. Femora et tibiæ cinerea aut nigra, intus fulva.

i. Abdomen cinereum, fusco marginatum.

* Thorax maculis quatuor nigris. - fraterna, Wied.

** Thorax maculis duabus nigris. fraterculus, Walk

ii. Abdomen nigrum albido marginatum. vagator, Wied.

b. Pedes picei, tibiæ ferrugineis. - Scilurus, Walk.

c. Abdomen fulvum, maculis trigonis nigris.

Edithus, Walk.

Pedes toti pallidi.

1. Antennæ totæ nigrae. - - - - Senegalensis, Macq.

2. Antennæ basi rufescentes. - - - - Mimus, Wied.

3. Antennæ cinctæ.

a. Abdomen cinereum, maculis nigris. - fulvipes, Macq.

b. Abdomen fulvum; *fem.* maculis fuscis. Amatus, Walk.

c. Abdomen nigrum, fasciis ferrugineis. - Dorso, Walk.

Group 1.

Corpus hirtum, parce setosum. Facies plana. Mystax dense setosus. Antennarum articulus 1us 2o duplo longior; 3us 1o non longior; arista 3o duplo longior. Abdomen ob lanceolatum, thorace fere duplo aut plus duplo longius, apice non compressum. Pedes robusti, pilosi, spinosi.

Radial vein forked at much before half its length; fore fork hardly undulating, connected with the subcostal close to the tip of the latter, but at some distance from the tip of the wing; hind fork forming an extremely obtuse angle, whence it inclines to the fore fork, and joins the tip of the costal vein. Cubital and first extero-medial slightly inclined towards each other. Third extero-medial forming a hardly obtuse angle with the p^rebachial, joining the fourth at a long distance from the border. Subanal joining the anal at some distance from the border.

Trupanea fasciata, Fabr.; T. Guineensis, Wied.; T. Poetinus, Walk.; T. limbata, Macq.; T. Scilurus, Walk.; T. Edithus, Walk.; T. fulvipes, Macq.; T. Dorso, Walk.

Group 2.

Corpus hirtum, parce setosum. Facies plana. Mystax non dense setosus. Antennarum articulus 1us 2o duplo longior; 3us 1o lanceolatus; 1o longior; arista 3o longior. Abdomen ob lanceolatum, thorace fere duplo aut plus duplo longius. Pedes robusti, spinosi, vix pilosi. Mas.—Abdomen alas non superans. Fem.—Abdomen alas multo superans, apice nitens subcompressum.

Radial vein forked at a little beyond one-third of its length; forks slightly curved, parallel to each other; fore fork joining the subcostal very near the tip of the latter. Cubital and first extero-medial very slightly curved, almost parallel to each other; cubital joined to the radial by a veinlet at a little before the end of the discal areolet, and with the fore branch of the p^rebachial by a veinlet at much before the middle of the discal areolet. Third extero-medial forming a slightly obtuse angle with the p^rebachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Trupanea fraterna, Wied.; T. fraterculus, Walk.

Group 3.

Corpus valde elongatum, parce setosum, vix hirtum. Facies apud epistoma subconvexa. Mystax sat dense setosus. Antennarum articulus 1us 2o duplo longior; 3us 1o longior; arista 3o brevior. Pedes sat graciles, spinosi; tarsi longi. Fem.—Abdomen thorace propto triplo longius, apicem versus subcylindricum, non compressum.

Radial vein forked at before half its length; fore fork very slightly curved, joining the subcostal close to the tip of the latter; hind fork almost straight. Cubital curved towards the first externo-medial, connected with it by a veinlet at much before half the length of the discal areolet, and with the radial by a veinlet at much before the end of the discal areolet. First externo-medial almost straight; second hardly curved; third curved, forming an obtuse angle with the præbrachial, which is also curved, joining the fourth far from the border. Subanal joining the anal close to the border.

Var. β . Radial vein forked at very little before half its length; fore fork hardly undulating, joining the subcostal close to the tip of the latter; hind fork slightly curved towards the tip. Cubital curved towards the first externo-medial, connected with it by a veinlet at much before half the length of the discal areolet, and with the radial by a veinlet at much before the end of the discal areolet. First externo-medial very slightly curved; second hardly undulating; third curved, forming an obtuse angle with the præbrachial, which is also curved, joining the fourth far from the border. Subanal joining the anal on the border.

The veinlet between the cubital and the radial is much nearer to the base of the fork of the latter than it is in var. α ., and the veinlet between the cubital and the discal areolet is more remote from the base of the latter.

Trupanea Alamanus, Walk.

Group 4.

Corpus gracile, longiusculum, parce setosum, vix hirtum. Vertex depresso. Facies parum convexa. Mystax setis nonnulis. Abdomen oblateolum, alas paulo superans. Pedes validi, raro spinosi, non pilosi. Mas.—Sexualia parva. Fem.—Abdomen apice acuminatum, non compressum nec stylatum.

Radial vein forked at hardly beyond one-third of its length; fore fork abruptly curved forward near its tip, and joining the subcostal vein close to the tip of the latter; hind fork moderately

LIST OF DIPTERA.

forward near its tip. Cubital and first externo-medial nearly curved, almost parallel to each other; cubital joined to the radial by a veinlet at four-fifths of the length of the discal areolet and very far from the fork of the radial, joined to the discal areolet by a veinlet at one-third of the length of the latter. Second externo-medial nearly straight; third curved, forming an obtuse angle with the prebrachial, which is very slightly curved, joining the fourth very far from the border. Subanal joining the anal close to the border.

Trupanea Turinus, Walk.

33. TRUPANEA TEMERARIA.

Trupanea temeraria, *Diptera Saundersiana*, Pt. 2, 121.

Senegal?

34. TRUPANEA PRODUCTA.

Trupanea producta, *Diptera Saundersiana*, Pt. 2, 124.

Cape.

35. TRUPANEA ALAMANUS.

Trupanea perlonga, *Diptera Saundersiana*, Pt. 2, 125.

- a. South Africa. From Mr. Argent's collection.
- b. Port Natal. From Mr. Stevens' collection.

Var. β. Asilus Alamanus, *Cat. of Diptera* Pt. 2, 428.

36. TRUPANEA FASCIATA.

Nigra; *abdomen basi fasciis duabus pilosis albis*; *ala flaventes*.

Asilus fasciatus, *Fabr.*

Sierra Leone.

37. TRUPANEA CAFFRA.

Mas. Nigra; *mystax flavus*; *abdomen basi albo pilosum*; *ala flavidae*, *costa subfuscata*.

Trupanea caffra, *Macq. Dipt. Exot. Suppl.* 1, 79, 40.

South Africa.

38. TRUPANEA ROBERTII.

Fœm. Nigra; *caput album*; *abdominis segmenta tria antica flavidio pilosa*; *tibiæ externe castaneæ*; *alæ rufescentes*.

Trupanea Robertii, *Macq. Dipt. Exot.* i. 2, 95, 6.

Senegal.

39. TRUPANEA TURINUS.

us Turinus, *Cat. of Diptera*, Pt. 2, 407.
ra Leone.

40. TRUPANEA GUINEENSIS.

horax rufescens, vittis quatuor nigellis; abdomen nigrum, fuscis marginibusque lateralibus rubidis; pedes rubidi, tarsis nigris; alæ subflavescentes.
us Guineensis, Wied.
nea.

41. TRUPANEA PÆTINUS.

us Pætinus, *Cat. of Diptera*, Pt. 2, 390.
ra Leone.

42. TRUPANEA LIMBATA.

œm. *Gracilis; abdomen nigrum, rubido limbatum; pedes testacei, femoribus tibiisque externe nigri; alæ flavidæ, apice fuscæ.*
panea limbata, *Macq. Dipt. Exot. i. 2, 95, 5.*
egal.

43. TRUPANEA FRATERNA.

læs. *Flavo-cinerascens; antennæ nigrae; thorax vittis maculisque fuscis; abdomen obscure cinereum, lateribus fuscis; pedes intus fulvi; alæ subflavescentes, apice cinerea.*
us fraternus, Wied.
pea.

44. TRUPANEA FRATERCULUS.

œm. *Cinerea; caput albo pilosum; mystax albidus; thorax vittis duabus dorsalibus integris et duabus lateralibus interrupitis nigris antibus maculisque quatuor lateralibus nigris; abdomen apice nigrum; pedes ferrugineo vittati; alæ sublimpidæ.*

Fem. Cinereous. Head behind and beneath, pectus and metathorax whitish. Head clothed with white hairs. Mystax with whitish bristles. Thorax with four blackish stripes, two entire & dorsal and converging hindward, and two lateral and intersected and less distinct; there are also four lateral black spots on

the hind part of the thorax, the hind pair very small. Abdomen black towards the tip. Legs black, with whitish down, beset with black and white spines; femora and tibiæ ferruginous on the inner side. Wings nearly limpid.

This species is very nearly allied to *T. fraterna*, but may be distinguished by its smaller size, by the darker colour of the anterior pair of spots on the thorax, by the ferruginous inner side of the femora and of the tibiæ, and by the forks of the radial vein, which are more curved towards the tips. Length of the body 7 lines; of the wings 10 lines.

a. Port Natal. From M. Gueinzius' collection.

45. TRUPANEÀ VAGATOR.

Glaucescens; antennæ nigrae; abdomen nigrum, fasciis marginibus albidis; pedes nigri, femoribus intus tibiisque fulvi; alæ flavescentes.

Asilus vagator, Wied. Auss. Zweifl. i. 492, 100.

Cape.

46. TRUPANEÀ SCILURUS.

Asilus Scilurus, Cat. of Diptera, Pt. 2, 395.

South Africa.

47. TRUPANEÀ EDITHUS.

Asilus Edithus, Cat. of Diptera, Pt. 2, 429.

South Africa.

48. TRUPANEÀ SENEGALENSIS.

Fœm. *Cinerea*; abdomen in segmento singulo macula nigra transversa; pedes testacei; alæ flavide.

Trupanea Senegalensis, Macq. Dipt. Exot. i. 2, 95, 4.

Senegal.

49. TRUPANEÀ MIMUS.

Mas. *Rubida*; antennæ nigrae, basi rufescentes; thorax vittis nigris lineisque albis; abdomen maculis lateralibus albis; pedes rufescentes; alæ flavescentes.

Asilus mimus, Wied. Auss. Zweifl. i. 493, 102.

Cape.

50. TRUPANEA FULVIPES.

'om. *Flavido-cinerea; antennarum articulus 2us testaceus; abdomen macula magna in segmento singulo nigra; pedes fulvi; alæ flavidæ. Long. 8½ lin.*

Tanea fulvipes, Macq. Dipt. Exot. i. 2, 93, l.

c.

51. TRUPANEA AMASTRUS.

is *Amastrus, Cat. of Diptera, Pt. 2, 394.*

h Africa.

52. TRUPANEA DORSO.

is *DORSO, Cat. of Diptera, Pt. 2, 397.*

h Africa.

Asia.

'edes nigri.

Pedes toti nigri.

a. Alæ apice fuscescentes aut cinereæ.

a. Abdomen basi fasciis duabus albo pilosis.
bifasciata, *Macq.*

b. Abdomen non bifasciatum.

i. Abdomen nigricans, incisuris albis.
Westermannii, *Wied.*

ii. Abdomen cinereum, maculis nigris. maculosa, *Macq.*

iii. Abdomen fuscum, albo limbatum. - Javana, *Wied.*

iv. Abdomen subfulvocanum. - - univentris, *Walk.*

v. Abdomen fusco-cinereoque tessellatum. agnita, *Wied.*

b. Alæ apice non obscuriores.

a. Venæ externo-medie 1a et 2a non conjunctæ.

i. Alæ flavidæ.

* Corpus flavido pilosum. - - - Marcii, *Macq.*

** Corpus rufo pilosum. - - - Duvaucelii, *Macq.*

ii. Alæ subhyaline. - - - rufoungulata, *Macq.*

b. Venæ externo-medie 1a et 2a conjunctæ.

heteroptera, *Macq.*

Tibiae anteriora externe testacea. - - - fusca, *Macq.*

Femora anteriora apice subtus rufescens. Hospes, *Wied.*

Tibiae pallidæ.

a. Alæ apice obscuriores.

a. Abdomen cinereum, maculis nigris. orientalis, *Macq.*

b. Abdomen non maculatum. - - - rufibarbis, *Macq.*

b. Alæ apice non obscuriores.

- a.** *Mystax albus*. - - - - - *cana*, Wied.
b. *Mystax flavus*. - - - - - *Anicius*, Walk.
- E.** *Pedes cinerei*; femora tibiæque subtus pallida.
- a.** Alæ subfulvæ, apice fusco-ferrugineæ. - - *Gobares*, Walk.
b. Alæ subfuscæ. - - - - - *innotabilis*, Walk.
- F.** *Pedes pallidi*, nigrovvari.
- a.** Abdomen non fasciatum.
- a.** Abdomen cinereo pubescens. - - - - - *apicalis*, Macq.
b. Abdomen totum nigrum. - - - - - *maculipes*, Walk.
- b.** Abdomen incisuris vix albido. - - - - - *rubritarsata*, Macq.
c. Abdomen incisuris flavescentibus. - - - - - *varipes*, Macq.
d. Abdomen fasciis interruptis canis. - - - - - *confinis*, Walk.
e. Abdomen albo bifasciatum. - - - - - *Manillensis*, Macq.
f. Abdomen fulvo fasciatum.
- a.** Alæ apice non obscuriores - - - - - *contracta*, Walk.
b. Alæ apice cinereæ. - - - - - *telifera*, Walk.
- G.** *Pedes picei*, subtus ferruginei.
- a.** Alæ apice obscuriores. - - - - - *sagittifera*, Walk.
b. Alæ apice non obscuriores.
- a.** Alæ flavescentes.
- i. Abdomen cinereum. - - - - - *flavibarbis*, Macq.
ii. Abdomen fulvum. - - - - - *Copillus*, Walk.
b. Alæ fuscæ. - - - - - *Calanus*, Walk.

Group 1.

Structure of Group 1, page 594.

Trupanea Anicius, Walk; *T. Copillus*, Walk; *T. maculipes*, Walk.

Group 2.

Fæm. Corpus elongatum. Vertex depresso. Facies subconvexa. *Mystax* setis plurimis. Proboscis valida, linearis. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o non longior; arista articulo 3o paullo longior. Thorax setosus. Abdomen longi-oblateolatum, abdomen superans, basi subpilosum, apicem acuminatum, non stylatum nec compressum. Pedes robuste, spinosæ, pubescentes.

Radial vein forked at a little before one-third of its length; fore fork very slightly undulating; hind fork straight till near its tip, where it is curved forward and parallel to the fore fork. Caudal and first externo-medial vein very slightly curved hindward, parallel to each other; second externo-medial straight; third slight curve,

a very slightly obtuse angle with the præbrachial, joining it far from the border. Subanal joining the anal near the

a Gobares, Walk; T. innotabilis, Walk.

Group 3.

i. Corpus parce pubescens. Caput subtus dense pilosum. convexa. Mystax parce setosus. Proboscis lanceolata. rum articulus Ius 2o duplo longior; 3us lanceolatus, longior; arista 3o vix longior. Thoracis latera et scutellum Abdomen ob lanceolatum, thorace multo angustius et fere angius. Sexualia mediocria, hirta. Pedes robusti, setosi, ti.

lial vein forked at one-third of its length; forks parallel towards their base, curved forward at their tips. Discal ery narrow at one-third of its length, opposite the veinlet ins it to the first externo-medial. Veinlet between the first medial and the cubital at three-fourths of the length of the reolet. Cubital and first externo-medial slightly curved, to each other; second externo-medial straight; third curved, forming an obtuse angle with the præbrachial, the fourth very far from the border. Subanal joining the r the border.

a confinis, Walk.

53. TRUPANEA BIFASCIATA.

Nigra; abdomen basi fasciis duabus albo pilosis; ale avida, areola la submarginali cinereo vittata.

a bifasciata, Macq. Dipt. Exot. i. 2, 98, 14.

54. TRUPANEA WESTERMANNII.

ia; thorax vitta intermedia divisa, lateralibus bis interruptis; abdomen nigricans incisuris albis; ale flavescentes, apice ubifuscæ.

Westermannii, Wied.

a Westermannii, Macq. Dipt. Exot. i. 2, 98, 15.

Java.

55. TRUPANEA MACULOSA.

Fœm. *Cinerea*; *abdomen in segmento singulo macula magna nigra*, linea dorsali rubida; *alæ hyalinæ, apice cinereæ*.

Asilus maculosus, *Macq. Hist. Nat. Dipt.* i. 312, 35.

Trupanea maculosa, *Macq. Dipt. Exot.* i. 2, 100, 20.

Philippine Isles.

56. TRUPANEA JAVANA.

Fusca; *abdomen albo limbatum*; *alæ flavidæ, apice marginatæ postico fuscaneæ*. Fœm.—*Terebra nigra nitens*.

Asilus Javanus, *Wied. Zool. Mag.* iii. 4, 5; *Dipt. Exot.* i. 205, 4
Auss. Zweifl. i. 494, 103.

Trupanea Javana, *Macq. Dipt. Exot.* i. 2, 98, 13.

Var.? *Asilus perplexus*, *Wied. Auss. Zweifl.* i. 495, 104.

Java.

57. TRUPANEA UNIVENTRIS.

Trupanea univentris, *Diptera Saundersiana*, Pt. 2, 114.

East Indies.

58. TRUPANEA AGNITA.

Mas. *Fuscana*; *antennæ nigrae*; *thorax fusco quadrivittatus*
abdomen fusco-cinereoque tessellatum; *pedes nigricantes*
alæ subflavescentes, apice marginatæ postico cinereæ.

Asilus agnitus, *Wied. Zool. Mag.* iii. 35, 51; *Dipt. Exot.* i. 212, 50
Auss. Zweifl. i. 496, 109.

Sumatra.

59. TRUPANEA MARCII.

Atra; *caput flavum*; *thorax flavido pilosus, trivittatus*; *abdomen maris segmentis tribus anticis flavido pilosis, fœm. tibi*
macula magna nigra; *alæ flavidæ*.

Trupanea Marcii, *Macq. Dipt. Exot.* i. 2, 97, 11, pl. 9, f. 2.

East Indies.

60. TRUPANEA DUVAUCELII.

Nigra; *palpi rufo pilosi*; *thorax rufo tomentosus, vittis nigris*
abdominis segmenta 1o ad 3um rufo pilosa; *alæ flavidæ*.

Trupanea Duvaucelii, *Macq. Dipt. Exot.* i. 2, 97, 12.

Bengal.

61. TRUPANEA RUFOUNGULATA.

Cinerea; *abdomen nigro maculatum*; *pedes atri albido pubescentes*,
unguis rufis apice nigris; *alæ subhyalinæ*.
panea rufoungulata, Macq. Dipt. Exot. i. 2, 99, 18.
 Chin China.

62. TRUPANEA HETEROPTERA.

Ias. *Cinerea*; *abdominis segmenta macula magna nigra*; *pedes nigri*; *alæ flavidæ venis externo-medii 1a et 2a conjunctis*.
panea heteroptera, Macq. Dipt. Exot. i. 2, 96, 9, pl. 9, f. 3.
 labar.

63. TRUPANEA FUSCA.

tem. *Fusca*; *abdomen nigro micans*; *pedes nigri*, *tibiis anterioribus externe testaceis*; *alæ flavidæ*, *postice fuscae*.
panea fusca, Macq. Dipt. Exot. i. 2, 104, 29.
 egal.

64. TRUPANEA HOSPIES.

tem. *Flavida*; *antennæ nigrae*; *thorax fusco vittatus*; *abdomen fasciis glaucescentibus*; *pedes glauci*, *femoribus anterioribus apice subtus rufescentibus*; *alæ limpidae*, *apice fusco-cinereæ*.
Hosipes, Wied. Zool. Mag. iii. 32, 47; Dipt. Exot. i. 207, 44; Auss. Zweifl. i. 495, 105.
 nquebar.

65. TRUPANEA ORIENTALIS.

tra; *caput flavidum*; *thorax flavidio tomentosus*, *trivittatus*; *abdomen cinereum*, *macula magna in segmento singulo nigra*; *tibiæ rubidæ*; *alæ apice fuscae*.
panea orientalis, Macq. Dipt. Exot. i. 2, 96, 7.
 t Indies.

66. TRUPANEA RUFIBARBIS.

tem. *Nigra*; *flavido pubescens*; *mystax barbaque fulva*; *tibiæ testaceæ*; *alæ flavidæ*, *macula subapicali fusca*.

Trupanea rufibarbis, *Macq. Dipt. Exot. Suppl.* 3, 25, 46, pl. 2, f. 9.

Java.

67. TRUPANEA CANA.

Cana; *caput albo hirtum*; *antennæ nigrae*; *thorax vittis nigri cantibus*; *abdomen nigro fasciatum*; *tibiæ fulvo, apic nigrae*; *alæ subflavescentes*.

Asilus canus, *Wied. Zool. Mag.* ii. 28; *Dipt. Exot.* i. 204, 29;
Auss. Zweift. i. 487, 94.

Region of the Caspian Sea.

68. TRUPANEA ANICIIUS.

Asilus Anicius, *Cat. of Diptera*, Pt. 2, 392.

a. North China. From Mr. Cuming's collection.

69. TRUPANEA GOBARES.

Asilus Gobares, *Cat. of Diptera*, Pt. 2, 420.

70. TRUPANEA INNOTABILIS.

Cinerea; *caput albidum, albo pilosum*; *mystax albidus*; *thorax nigro-fusco quadrihvittatus*; *abdomen nigrum, segmentis cinereo fasciatis*; *pedes nigri, femoribus tibiisque ex parte rufo centibus*; *alæ subfuscæ*.

Cinereous. Head whitish behind and beneath, clothed with white hairs. Mystax with whitish bristles. Thorax with four blackish brown stripes; the lateral pair interrupted, almost black hindward. Pectus whitish. Abdomen black, reddish beneath, obovate, about twice the length of the thorax, extending beyond the wings; hind borders of the segments with cinereous bands. Legs black, with whitish down and black spines; femora and tibiae with reddish stripes. Wings brownish. Halteres testaceous. Length of the body $5\frac{1}{2}$ — $9\frac{1}{2}$ lines; of the wings 8—13 lines.

a—d. Sumatra. From Sir Stamford Raffles' collection.

e. Java. From the East India Company's collection.

71. TRUPANEA APICALIS.

- a. Cinerea; abdomen atrum, cinereo pubescens; femora tibiæ que antica, intermediaque externe fusco testacea; alæ sub-flavescensibus, postice fuscaneæ. Long. 6½ lin.*
ea apicalis, Macq. Dipt. Exot. i. 2, 100, 19.

China.

72. TRUPANEA MACULIPES.

- n. Aurata; thorax nigro-fusco quadriguttatus; abdomen atrum, triente apicali stylata; pedes rufi, femoribus basi, genubus, tibiis apice tarsisque nigris; alæ subhyalinae, apice cinereæ.*

ead and thorax with gilded tomentum. Head with gilded mystax. Proboscis, palpi and antennæ black. Thorax with blackish brown stripes, the lateral pair interrupted. Abdomen deep black, about twice the length of the thorax, with pale tomentum on each side of the broad part, which is about the length of the apical style. Legs red; coxae, femora at the base, knees, tarsi and tips of the hind tibiæ black; metatarsi reddish. Wings nearly hyaline, gray towards the Halteres testaceous. Length of the body 10 lines; of the 16 lines.

g Kong. Presented by J. C. Bowring, Esq.

73. TRUPANEA RUBRITARSATA.

- Fusca; abdomen nigrum, incisuris vix albidis; pedes nigri, tibiis tarsisque anterioribus testaceis; alæ subhyalinae, apice subfuscis.*

ea rubritarsata, Macq. Dipt. Exot. i. 2, 99, 16.

74. TRUPANEA VARIPES.

- a. Atra; facies et mystax flava; barba alba; femora subtus tibiæque rufa; alæ flavidae.*
ea varipes, Macq. Dipt. Exot. i. 2, 97, 10; Suppl. 1, 79,

75. TRUPANEA CONFINIS.

Mas. *Nigricans*; *caput et pectus testaceo tomentosa*, illum subtus *albido pilosum*; *mystax testaceus*, *infra niger*; *thorax testaceo quadrivittatus*; *abdomen subtus ferrugineum*; *segmenta dorsalia fasciis posticis interruptis albidis*; *pedes rufi*, *femoribus supra nigris*, *tibis supra nigro vittatis*; *alæ subcinereas*, *apicibus marginibusque posticis obscurioribus*.

Male. Blackish. Head with testaceous tomentum, clothed beneath with whitish hairs. Mystax testaceous; a few black bristles towards the peristoma. Thorax with four testaceous stripes. Petus testaceous. Abdomen with whitish interrupted bands on the hind borders of the segments; under side ferruginous. Legs red; femora black above; tibiae above with black stripes. Wings grayish, darker towards the tips and along the hind borders. Length of the body 8 lines; of the wings 14 lines.

a. Java. From the East India Company's collection.

76. TRUPANEA MANILLIENSIS.

Mas. *Nigra*; *abdomen basi fasciis duabus albo pilosis*; *pilis externe fulvi*; *alæ flavidæ*.

Trupanea Manilliensis, *Macq. Dipt. Exot. i. 2*, 194; *Suppl. 1*, 73. Manilla.

77. TRUPANEA CONTRACTA.

Trupanea contracta, *Diptera Saundersiana*, Pt. 2, 120.
East Indies.

78. TRUPANEA TELIFERA.

Trupanea telifera, *Diptera Saundersiana*, Pt. 2, 115.
East Indies.

79. TRUPANEA SAGITTIFERA.

Trupanea sagittifera, *Diptera Saundersiana*, Pt. 2, 116.
East Indies.

80. TRUPANEA CEYLANICA.

Fœm. *Cinerea*; *caput albido*; *abdomen nigrum, incisum cinereis*; *pedes testacei*; *alæ hyalinæ, apice cinereæ*.
Trupanea Ceylanica, *Macq. Dipt. Exot. i. 2*, 100, 20.
Ceylon.

81. TRUPANEA FLAVIBARBIS.

Mas. Fuscana; thorax flavidus; abdomen cinereum, macula magna in segmento singulo nigra; pedes fulvi, tarsis nigris; alæ flavescentes.

*paneæ flavibarbis, Macq. Dipt. Exot. i. 2, 96, 8.
dicherry.*

82. TRUPANEA COPILLUS.

us Copillus, Cat. of Diptera, Pt. 2, 389.

83. TRUPANEA CALANUS.

paneæ Calanus, Diptera Saundersiana, Pt. 2, 122.

; Indies.

Australia.

Venæ cubitalis et externo-media la non conjunctæ.

- . Alæ violaceo-fuscaneæ. - - - - - grandis, Macq.
- . Alæ sublimpidæ, apice cinereæ. - - canescens, Walk.
- . Alæ flavescentes.
- A. Femora nigra. - - - - Tasmanensis, Macq.
- B. Femora fulva. - - - - rufipes, Macq.
- Venæ cubitalis et externo-media conjunctæ. - clausa, Macq.*

Group 1.

Fæm. Corpus gracile, parce pubescens, non hirtum. Caput us dense pilosum. Facies subconvexa. Mystax sat dense sus. Proboscis sublanceolata. Thoracis latera, scutellum et omnis latera basi parce setosa. Abdomen oblanceolatum, thorace duplo longius, alas longe superans. Pedes sat graciles, e setosi, non hirti.

Radial vein forked at rather before half its length; forks almost level, except towards the base, their tips curved forward. Vein between the radial and the cubital at three-fourths of the length before discal areolet; veinlet between the cubital and the first two-medial before half the length of the discal areolet. Cubital and first externo-medial slightly curved hindward, parallel with other; second externo-medial nearly straight; third hardly ed, forming a slightly obtuse angle with the præbrachial, joining fourth far from the border. Subanal joining the anal almost to the border.

84. TRUPANEA GRANDIS.

Atra; facies mystaxque flavida, barba alba; abdomen cyaneos; tibiæ castaneæ; alæ violaceo-fuscæ.

Trupanea grandis, *Macq. Dipt. Exot. i. 2, 101, 22.*

New Holland.

85. TRUPANEA CANESCENS.

Fœm. *Cinerea; caput subtus album alboque pilosum; mystax albus; antennæ nigrae; thorax piceo bivittatus; pectus canum; abdominalis segmenta nigro fasciata; pedes cinerorufescentes; femora nigro-cinerea; alæ sublimpidae, apic cinereæ.*

Cinereous. Head white in front and beneath, clothed with white hairs. Mystax white. Antennæ black. Thorax with two slender parallel dorsal piceous stripes; bristles black. Pectus and metathorax hoary. Abdominal segments with broad blackish bands. Legs with cinereous tomentum and with black spines; coxæ and femora black; tibiæ and tarsi reddish. Wings nearly limpid, with cinereous tips; veins black, tawny at the base. Halteres tawny. Length of the body 8 lines; of the wings 10 lines.

a. New Holland.

86. TRUPANEA TASMANENSIS.

Mas. *Cinerea; mystax flavidus; antennæ pedesque nigra; thorax vittis nigris; abdomen maculis dorsalibus nigris postice rotundatis; tibiæ testacea; alæ flavescentes.*

Trupanea Tasmanensis, *Macq. Dipt. Exot. Suppl. 2, 39, 45.*

Tasmania.

87. TRUPANEA RUFIPES.

Mas. *Cinerea; mystax albus; antennæ nigrae; thorax vittis nigris, intermedia divisa; abdomen maculis dorsalibus nigris; pedes fulvi, tarsis nigris; alæ subflavescentes.*

Trupanea rufipes, *Macq. Dipt. Exot. Suppl. 3, 26, 47, pl. 2, f. 8.*

New Holland.

88. TRUPANEA CLUSA.

Das. Nigra; mystax albidus; abdominis incisura albida; alet subflavescentes; venæ cubitalis ramus posticus vena externo-media longe ante marginem conjunctus.

ipanea clusa, Macq. Dipt. Exot. Suppl. 1, 80, 42, pl. 8, f. 5,
w Holland.

Country unknown.

Pedes toti nigri.

4. *Mystax niger.*

A. Thorax cinereus. - - - - - vagans, Wied.

B. Thorax fuscarius. - - - - - incisuralis, Macq.

B. *Mystax flavescens.*

A. Thorax cinereus, nigro vittatus. - - - - - blanda, Wied.

B. Thorax fuscarius nigro vittatus. - - - - - vicina, Macq.

c. Thorax flavidus, obsolete vittatus. - - - - - mœrens, Wied.

C. *Mystax albus.*

Pedes nigri, ex parte pallidi.

4. Tarsi testaceæ. - - - - - longipes, Macq.

B. Tibiaæ basi testaceæ. - - - - - incisa, Macq.

C. Tibiaæ testaceæ, anticæ intus posticæ extus nigrae.

alibarbis, Macq.

D. Tibiaæ fulvæ aut testaceæ.

A. Abdomen cinereo-fuscoque tessellatum. - - sericans, Wied.

B. Abdomen cinereum, maculis nigris. - - tibialis, Macq.

c. Abdomen basi rufu pilosum. - - longiterebrata, Macq.

Pedes castanei.

Femora et tibiaæ rufa, apice nigra. - - castanipes, Macq.

Pedes rufi aut fulvi.

4. *Thorax niger.*

A. Antennæ nigrae. - - - - - fulvipes, Macq.

B. Antennæ fulvæ, apice nigrae. - - - Geminus, Walk.

B. *Thorax rubidus, fusco vittatus.* - - - dorsalis, Macq.C. *Thorax fulvus; discus fuscus, vittis dorsalibus pallidioribus duabusque nigris lateralibus.* - - - porrecta, Walk.

Group 1.

Corpus longiusculum, fere nudum. Caput subtus pilosum; tex depresso; facies fere plana. *Mystax* setis paucis. Proboscis valida, lanceolata. Thorax setis nonnullis lateralibus. Abdomen longi-oblateolatum, subpubescens, alas longe superans, basi

subpilosum, apicem versus fere cylindricum, non compressum nec stylatum, thorace duplo longius. Pedes sat graciles, parce spinosi, non pilosi.

Radial vein forked at very little beyond one-third of its length; fore fork nearly straight, joining the subcostal close to the tip of the latter. Cubital and first externo-medial very slightly converging towards each other as they approach the border; cubital joined to the radial by a veinlet at much before the end of the discal areole, and with the præbrachial by a veinlet at very little before the middle of the discal areole. Third externo-medial forming a very slightly obtuse angle with the præbrachial, joining the fourth at some distance from the border. Subanal joining the anal very near the border.

Trupanea separata, Walk.

Group 2.

Structure of the first African group.

Trupanea Amorges.

Group 3.

Structure of *T. annularis*.

Trupanea Geminus.

89. TRUPANEA VAGANS.

Fœm. *Cinerea*; antennæ nigrae; thorax nigro vittatus; abdomen nigellum, vitta lutea, incisuris marginibusque lateralibus cinereis; pedes nigricantes, tibiis basi castaneo fuscescensibus; alæ subflavescentes, apice margineque postico fuscescentes.

Trupanea vagans, Wied. Auss. Zweifl. i. 488, 95.

90. TRUPANEA INCISURALIS.

Mas. *Fusca*; thorax nigro vittatus; abdomen nigrum, incisuris albidis; pedes nigri; alæ fuscanæ.

Trupanea incisuralis, Macq. Dipt. Exot. i. 2, 107, 38; Suppl. 1, 80.

91. TRUPANEA BLANDA.

Cinerea; thorax nigro-fusco quadri-vittatus; abdomen fasciæ albidis maculisque fuscis; pedes nigri; alæ flavescentes, apice cinereo-fuscae.

Asilus blandus, Wied. Auss. Zweifl. i. 497, 108.

92. TRUPANEA VICINA.

œm. *Fusca*; *thorax vittis nigris*; *abdomen albo limbatum*;
pedes nigri; *alæ hyalinæ, areolarum discis et apice fuscis*.
panea vicina, Macq. Dipt. Exot. i. 2, 105, 33.

93. TRUPANEA MÆRENS.

œm. *Flavida*; *antennæ nigræ*; *thorax obsolete vittatus*; *abdomen glabrum, nigrum, fasciis marginibusque cinereis*; *alæ flavæ*; *pedes crassi, nigri*.
us mærens, Wied. Auss. Zweifl. i. 493, 101.

94. TRUPANEA SEPARATA.

œm. *Obscure cinerea*; *caput albido tomentosum, subtus albo hirtum*; *antennæ nigræ*; *mystax albus*; *pectus cano tomentosum*; *abdomen apicem versus nigrum nitens*; *alæ fusco-cinereæ*.

Fem. Dark gray. Head with whitish tomentum, clothed beneath with white hairs. Mystax with white bristles. Antennæ black. Abdomen black and shining towards the tip. Legs with black spines. Wings brownish gray; veins black. Length of the body 11 lines; of the wings 16 lines.

95. TRUPANEA LONGIPES.

fas. *Gracilis, rufo-cinerea*; *thorax nigro vittatus*; *abdomen albo fasciatum*; *pedes elongati nigri, tarsis testaceis*; *alæ flavescentes, apice subfuscæ*.
panea longipes, Macq. Dipt. Exot. i. 2, 103, 28, pl. 9, f. 5.

96. TRUPANEA INCISA.

fas. *Atra*; *thorax flavo-cinereus, nigro vittatus*; *abdominis incisuræ albidae*; *tibiae basi testaceaæ*; *alæ flavidæ, apice fuscanaæ*.

panea incisa, Macq. Dipt. Exot. i. 2, 106, 35.

97. TRUPANEA ALBIBARBIS.

œm. *Cinerea*; *abdominis segmentum singulum macula magna nigra*; *pedes nigri*; *tibias testaceaæ, anticus intus posticus extus nigris*; *alæ flavidæ, apice fuscanaæ*.

Trupanea albibarbis, Macq. Dipt. Exot. i. 2, 105, 32.

Trupanea tibialis, fæm.?

98. TRUPANEA SERICANS.

Suborichalcea; antennæ nigrae; thorax fusco vittatus; abdomen cinereo-fuscoque subtessellatum; pedes nigri, tibiis fulvis; ale subflavescentes, apice fusco-cinereæ.

Asilus sericans, Wied. Auss. Zweifl. i. 495, 107.

99. TRUPANEA TIBIALIS.

Mas. *Cinerea; abdominis segmentum singulum macula magna nigra; femora tarsique nigra, tibia rufa; ale fuscana.*

Trupanea tibialis, Macq. Dipt. Exot. i. 2, 104, 31.

100. TRUPANEA LONGITEREBRATA.

Fæm. *Nigra; thorax rufus nigro vittatus; abdominis segmenta ad 3um rufo pilosa; tibiae testaceaæ; ale fuscana.*

Trupanea longiterebrata, Macq. Dipt. Exot. i. 2, 105, 34.

101. TRUPANEA CASTANIPES.

Mas. *Fuscano-cinerea; abdomen incisuris anaque albis; peda castanei; ale fuscana.*

Trupanea castanipes, Macq. Dipt. Exot. i. 2, 107, 39.

102. TRUPANEA AMORGES.

Asilus Amorges, Cat. of Diptera, Pt. 2, 391.

103. TRUPANEA FULVIPES.

Mas. *Atra; scapulae testaceaæ; abdomen incisuris albidis, basi flavido piloso; pedes fulvis; ale subflavescentes.*

Trupanea fulvipes, Macq. Dipt. Exot. i. 2, 106, 37.

104. TRUPANEA GEMINUS.

Asilus Geminus, Cat. of Diptera, Pt. 2, 396.

105. TRUPANEA DORSALIS.

Cinerea ; caput albidum ; thorax rubidus, fusco vittatus ; abdomen fuscum, vitta dorsali cinerea, incisuris albidis ; pedes rufi ; aæ subflavescentes.

ipanea dorsalis, Macq. Dipt. Exot. i. 2, 106, 36, pl. 9, f. 4.

106. TRUPANEA PORRECTA.

ipanea porrecta, Diptera Saundersiana, Pt. 2, 126.

Genus 4. ERAX.

Corpus non depresso, nec ciliatum. Facies valde prominens. ris sexualia magna, producta, fæm. terebra extensa. Alarum a radialis simplex ; cubitalis furcata ; furca antica sèpissime colum rejiciens.

x, Scopoli ; Serville. Macq. Dipt. Exot. i. 2, 107.

Ius p., Fabr. ; Wied.

x et Eristicus, Loew.

Loew describes *Erax* and his new genus *Eristicus* by the owing characteristics, but does not mention the types of either us :—

ERAX.

Abdomen plus minusve compressum.

Mas. Sexualia magna, compressa, elevata.

Fæm. Sexualia longa, valde compressa.

x, Loew, Linn. Ent. iii. 396, 3, 403.

ERISTICUS.

Abdomen depresso.

Mas. Sexualia latissima, valde incrassata, non elevata.

Fæm. Sexualia brevissima, plus minusve depresso.

sticus, Loew, Linn. Ent. iii. 396, 4, 403.

This genus appears to connect *Mallophora* and *Trupanea* with other *Asilites*, as regards the neuration of the wings. In *Erax* branch which is very generally emitted from the angle of the fork of the cubital vein is only rudimentary, but in *Trupanea* it continued backwards to the radial, and thus the latter has the earance of being forked, and the cubital of being simple, and nected with the radial by a short transverse veinlet. The

difference may be thus described: Fore cubital fork emitting a vein which extends to the radial vein (*Mallophora, Trupanea*). Fore cubital fork emitting a rudimentary vein, or none (*Erax, Asilus, &c.*)

North America.

- | | |
|---|--------------------------|
| A. Pedes nigri. - - - - - | lateralis, <i>Mes.</i> |
| B. Femora nigra. | |
| A. Tibiæ badiæ. | |
| A. Thorax canus, nigro vittatus. - - - - - | niger, <i>Wid.</i> |
| B. Thorax fuscescens, vittis nigris. - - - - - | pogonius, <i>Wid.</i> |
| c. Thorax non vittatus. - - - - - | completus, <i>Mes.</i> |
| B. Tibiæ tarsique badiæ. | |
| A. Alæ dilatatae. - - - - - | macrolabis, <i>Wid.</i> |
| B. Alæ non dilatatae. - - - - - | Antiphon, <i>Wid.</i> |
| C. Tibiæ anteriores testaceæ. - - - - - | rufibarbis, <i>Mes.</i> |
| D. Tibiæ testaceaæ aut rufæ, apice nigrae. | |
| A. Thorax niger. | |
| a. Alæ flavidæ aut hyalinæ. | |
| i. <i>Mas.</i> Abdominis segmenta tria apicalia alba. Bastardi, <i>Mes.</i> | |
| ii. <i>Mas.</i> Abdominis segmenta duo apicalia alba. albobarbis, <i>Mes.</i> | |
| b. Alæ subrufescentes. - - - - - | tibialis, <i>Mes.</i> |
| B. Thorax fuscus. - - - - - | incisuralis, <i>Mes.</i> |
| c. Thorax rubido-fuscus. - - - - - | æstuans, <i>Linn.</i> |
| d. Thorax suborichalceus. - - - - - | apicalis, <i>Wid.</i> |
| E. Tibiæ testaceaæ. - - - - - | vicinus, <i>Mes.</i> |
| B. Pedes testacei. | |
| A. Femora nigra. - - - - - | femoratus, <i>Mes.</i> |
| B. Femora subtus nigra. - - - - - | ambiguus, <i>Mes.</i> |
| C. Pedes picei; tibiæ ferrugineaæ, apice piceæ. | Duscyllus, <i>Wid.</i> |
| D. Pedes rufi aut testacea. | |
| A. Abdominis segmenta duo apicalia alba. - - - - - | notabilis, <i>Mes.</i> |
| B. Abdomen argenteum, maculis dorsalibus nigris. argyrogaster, <i>Mes.</i> | |

Group 1.

Corpus sat gracile, hirtum, setosum. Facies apud epistomum valde convexa. *Mystax* dense setosus. Proboscis valida, lineata. Antennarum articulus 3us subfusciformis, 1o paullo brevior; articulus 3o duplo longior. Abdomen alas superans. Pedes validi, hirsuti, spinosi. *Mas.*—Sexualia magna. *Fem.*—Abdomen triente apice stylata.

Radial vein almost straight, joining the subcostal at rather far from the tip of the latter. Cubital forked at very much beyond half its length; forks very slightly undulating, slightly approaching each other near each end; fore fork forming at its base a slightly obtuse angle, which emits a branch; the latter is much longer than the basal side of the angle. First externo-medial vein slightly curved; second straight; third curved, forming a hardly obtuse angle with the prebrachial, joining the fourth at rather far from the border. Anal joining the anal near the border.

x niger, *Wied.*; *E. femoratus*, *Macq.*; *E. Dascyllus*, *Walk.*

Group 2.

Mas. Corpus elongatum, parce hirtum. Caput subtus densime pilosum. Facies valde convexa. Mystax sat dense setosus. boscis linearis. Antennarum articulus 1us 2o plus duplo longior; longiconicus, 1o brevior; arista 3o triplo longior. Thoracis latera et scutellum subsetosa. Abdomen alas longe superans. ualia magna. Pedes validi, hirti, spinosi.

Radial vein nearly straight, joining the subcostal far from the tip of the latter. Cubital forked at rather before two-thirds of its length; fore fork forming a nearly right angle whose basal side is a little longer than the branch which it emits; hind fork slightly undulating. First and second externo-medial veins nearly straight; third almost straight, forming a hardly obtuse angle with the prebrachial, joining the fourth at some distance from the border. Anal joining the anal near the border.

x Antiphon, *Walk.*

Group 3.

Mas. Corpus robustum, valde hirtum. Caput subtus densissime pilosum. Facies parum convexa. Mystax densissime setosus. boscis sublanceolata. Thoracis latera et scutellum setosa. Abdomen alis multo longius. Pedes robusti, spinosi, pilisque longissime hirti.

Radial vein hardly undulating, joining the subcostal at some distance from the tip of the latter. Cubital forked at half its length; forks very slightly curved, slightly approaching each other towards each end; fore fork forming at its base a slightly obtuse angle, which emits a branch; the latter is a little longer than the basal side of the angle. First, second and third externo-medial veins nearly straight; third forming a hardly obtuse angle with the

præbrachial, which is much curved, joining the fourth far from border. Subanal joining the anal very near the border.

Erax rufibarbis, Macq.

Group 4.

Mas. Corpus elongatum, parce hirtum. Caput subtus sissime pilosum. Facies valde convexa. Mystax dense seta Proboscis lanceolata. Antennarum articulus Ius 2o duplo longior; 3us longiconicus, lo brevior; arista 3o fere triplo longior. Th latera et scutellum setis nonnullis. Abdomen alas superans. alia maxima. Pedes validi, spinosi, birti.

Radial vein almost straight, joining the subcostal rather from the tip of the latter. Cubital forked at very much beyond its length; forks converging towards each end; fore fork slightly curved, forming at its base an obtuse angle, which branch; the latter is much longer than the basal side of the hind fork rather deeply curved. First, second and third ext medial veins very slightly curved; third forming an almost angle with the præbrachial, joining the fourth at far from border. Subanal joining the anal at some little distance from border.

Erax Bastardi, Macq.

Group 5.

Mas. Corpus parce pilosum. Caput subtus densissimum. Facies valde convexa. Mystax densissime setosum. Prolinearis. Antennarum articulus Ius 2o duplo longior; 3us longiconicus, lo brevior; arista 3o triplo longior. Thoracis latera setosa. Sexualia maxima, pilosa. Pedes robusti, pilosi, spini-

Male. Radial vein straight, joining the subcostal at rather from the tip of the latter. Cubital forked at very much beyond its length; forks slightly curved, slightly converging towards end; fore fork forming at its base an obtuse angle, which branch that is shorter than its basal side. First and second ext medial veins nearly straight; third slightly curved, forming a right angle with the præbrachial, joining the fourth far from border. Wings slightly or hardly dilated along the costa at thirds of the length.

Erax æstuans, Linn.

Group 6.

Corpus mediocre, parce hirtum. Caput subtus pilosum. Apud epistoma valde convexa. Mystax dense setosus. Prob

*lida, lanceolata. Antennarum articulus 3us lanceolatus, lo paullo
igior; arista 3o vix longior. Thorax utrinque parce setosus.
domen ob lanceolatum, fere nudum. Pedes validi, pilosi. Mas.—
domen alas longe superans. Sexualia mediocria. Pedes pilosi.
sm.—Abdomen alas longe superans, apicem versus subcompressum
subattenuatum. Pedes parce pilosi.*

Fem. Radial vein nearly straight, joining the subcostal at
her far from the tip of the latter. Cubital vein forked at before
if its length; the forks very slightly curved, converging towards
air base, and more slightly so towards their tips; fore fork forming
its base a right angle, which emits a branch; the latter is full
ice the length of the basal side of the angle. First and second
terno-medial veins nearly straight; third curved, forming a nearly
ht angle with the prebrachial, which is curved, joining the fourth
very far from the border. Subanal joining the anal at some little
tance from the border.

apicalis, Wied.

1. ERAX LATERALIS.

*Ater; abdominis latera albido maculata, segmenta ultima albida
medio testacea aut nigra; alæ fuscanae.*

ax lateralis, Macq. Dipt. Exot. i. 2, 116, 21.

philadelphia.

2. ERAX NIGER.

*Fœm. Niger; mystax albidus; thorax canus, nigro vittatus;
tibiae badiæ; alæ flavescentes.*

illus niger, Wied.

orgia.

3. ERAX POGONIAS.

*Fuscanus; mystax albidus; thorax obsoletissime nigro vittatus;
pedes nigri, tibiis badiis apice nigris; alæ flavescentes.*

sypogon barbatus, Fabr. Syst. Antl. 169, 22.

*illus pogonias, Wied. Dipt. Exot i. 198, 29; Auss. Zweifl. i. 460,
54.*

orth America.

4. ERAX COMPLETUS.

*Mas. Ater; barba alba; abdominis segmenta duo apicalia nivea;
tibiae castaneæ; alarum venæ flavo limbatae, vena submarginali
externa integra.*

Erax completus, Macq. *Dipt. Exot.* i. 2, 117, 23, pl. 9, f. 9.
North America.

5. ERAX MACULABIS.

Mas. *Nigellus*; *thorax vittis cinereis*; *abdomen vittis canis*;
segmenta quatuor apicalia subargentea; *tibiæ tarsique basi*;
ala flavescentes; *costa apice incrassata*.

Asilus maculabis, Wied.

6. ERAX ANTIPHON.

Mas. *Niger*; *caput album*, *subtus albo pilosum*; *mystax nigra*,
infra albus; *thorax ferrugineo quadriannulatus*; *abdominis*
segmenta marginibus posticis ferrugineis; *tibiæ tarsique ob-*
scure rufa; *ala subfuscæ*.

Asilus Antiphon, *Cat. of Diptera*, Pt. 2, 397.

The previous description of this species is erroneous.

a. Georgia. From Mr. Abbot's collection.

7. ERAX RUFIBARBIS.

Ater; *mystax rufus*; *abdominis segmenta incisuris cinereis*, *mai-*
or segmenta duo apicalia alba; *tibiæ anteriores testacea*; *de-*
maris limpidae, *fem. venis fusco limbatis*.

Erax rufibarbis, Macq.

North America.

8. ERAX BASTARDI.

Ater; *abdominis segmenta maris tria apicalia nivea*, *fem. omnis*
albido marginata; *tibiæ rufæ*, *apice nigra*; *ala flavida*.

Erax Bastardi, Macq. *Dipt. Exot.* i. 2, 117, 25, pl. 9, f. 7.

North America.

9. ERAX ALBIBARBIS.

Mas. *Ater*; *abdomen basi segmentaque duo apicalia argentea*;
tibiæ rufæ apice nigrae; *ala hyalinæ*.

Erax albobarbis, Macq. *Dipt. Exot.* i. 2, 118, 26.

North America.

10. ERAX TIBIALIS.

Fœm. *Ater*; *abdominis latera incisuris et venter cinereis*; *tibiæ*
testacea apice nigrae; *ala subrufescentes*. Long. 6½ lin.

\times tibialis, *Macq. Dipt. Exot.* i. 2, 118, 27.

ladelphia. St. Domingo. Cayenne.

11. ERAX INCISURALIS.

'œm. *Fuscus*; *abdominis incisuræ lateraque albida*, *terebra longa*; *tibiæ testacea*, *apice nigrae*; *alæ subfuscæ*.

\times incisuralis, *Macq. Dipt. Exot.* i. 2, 117, 24.

ladelphia.

12. ERAX ESTUANS.

Rubido-fuscus; *thorax nigro lineatus*; *abdomen tessellatum*; *maris segmenta duo penultima alba*; *alæ dilatatae*.

lus estuans, *Linn.*

ited States. Brazil.

13. ERAX APICALIS.

'œm. *Suborichalceus*; *mystax albus*; *antennæ nigræ*; *thorax nigro vittatus*; *abdomen nigrum, maculis trigonis lateralibus incisurisque canis*; *tibiæ rubidae, apice nigrae*; *alæ limpidæ, apice subfuscantes*.

us apicalis, *Wied. Dipt. Exot.* i. 191, 16; *Auss. Zweifl.* i. 443, 28.

th America.

14. ERAX VICINUS.

Ias. *Niger*; *thorax fuscus, vittis nigris*; *abdomen basi apiceque album*; *tibiæ testacea*; *alæ subflavescentes*.

\times vicinus, *Macq. Dipt. Exot. Suppl.* 1, 85, 36.

as.

15. ERAX FEMORATUS.

Ias. *Ater*; *abdominis latera et venter cinerea*; *segmenta tria apicalia argentea*; *pedes testacei, femoribus nigris*; *alæ rufescentes, subdilatatae*.

\times femoratus, *Macq.*

olina.

16. ERAX AMBIGUUS.

Niger; thorax cinereus vittis nigris; abdomen fasciis albidis, uno brevi; pedes testacei, femoribus subtus nigris; ale subflavescentes.

Erax ambiguus, *Macq. Dipt. Exot. Suppl.* 1, 84, 34.

Texas. Merida de Yucatan.

17. ERAX DASCYLLUS.

Asilus Dascyllus, *Cat. of Diptera, Pt. 2,* 401.

18. ERAX NOTABILIS.

Mas. *Ater; abdominis latera et venter cinereo, segmento du apicalia albida; pedes rufi; ale subrufescentes, dilatae; furca cubitalis antica ramulo nullo.*

Erax notabilis, *Macq. Dipt. Exot. i. 2,* 110, 6, pl. 9, f. 8.

North? America.

19. ERAX ARGYROGASTER.

Thorax cinereus, vittis nigris; abdomen argentum, maculis dorsibus nigris; pedes testacei; ale subflavescentes.

Erax argyrogaster, *Macq. Dipt. Exot. Suppl.* 1, 84, 35.

Merida, Yucatan.

Mexico.

Group 1.

Corpus longe et dense pilosum. Facies valde convexa. Myrtax densissimus. Proboscis robusta, lanceolata. Thorax gibbosus, carina hirsutissima. Pedes validi, hirti, spinosi. *Mas.*—Abdomen alas non superans. Sexualia maxima. *Fæm.*—Abdomen alas longe superans, triente apicali stylata.

Cubital vein forked at very much beyond half its length; fore slightly curved, converging towards each end; fore fork forming at its base an obtuse angle, which emits no branch. First and second externo-medial veins nearly straight; third very slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at a short distance from the border. *Male.*—Wings dilated in front towards the tips; dilated part ribbed transversely.

20. ERAX APER.

piceus, nigro et ferrugineo hirtus; caput subtus albido pilosum.

Mystax nigro et albido, setosus; thorax ferrugineo bivittatus; fasciculo postico albido; pectus ferrugineum; pedes nigri, tarsis basi tibiisque rufis; alae fusca. Mas.—Abdomen fascia lata alba. Fem.—Abdominis latera cervina.

Piceous. Head with whitish hairs. Mystax with black and tish bristles. Thorax with black dorsal hairs and with testaceous tiles on each side and on the scutellum. Tarsi towards the base tibiæ red. Wings brown; veins black. *Male*.—Abdomen with black hairs, and with some white hairs about the middle part, where there is a broad white band. *Fem*.—Abdomen with testaceous tiles. Length of the body 7—10 lines; of the wings 15—16 lines.

Mexico. From Mr. Glennie's collection.

West Indies.

Pedes nigri.

1. Thorax nigro quadriovittatus. - - - - Caudex, Walk.

2. Thorax nigro trivittatus. - - - - invariatus, Walk.
Tibiæ fulvæ.

3. *Mystax niger, albido mixtus.*

a. Alæ flavescentes. - - - - rufitibia, Macq.

b. Alæ limpidæ, apice subfuscantes. - - fortis, Walk.

4. *Mystax albus.* - - - - Haitensis, Macq.

Tibiæ tarsique testacea. - - - - fulvibarbis, Macq.

Pedes pallidi; femora ex parte, tibiæ apice tarsique nigra.

Halœsus, Walk.

Group 1.

Caput subtus densissime pilosum. Facies valde convexa. mystax dense setosus. Proboscis valida, lanceolata. Antennarum culus 3us longiconicus, 1o brevior, aristæ dimidio multo brevior. Thorax hirtus. Abdomen subpubescens, basi hirtum, alas superans. Les validi, hirti, spinosi. *Mas*.—Sexualia maxima. *Fem*.—Abdomen triente apicali stylata.

Radial vein almost straight, joining the subcostal at rather far from the tip of the latter. Cubital forked at very much beyond half length; the forks very slightly curved, slightly converging at each. First, second and third externo-medial veins slightly curved; forming an obtuse angle with the præbrachial, joining the

fourth far from the border. *Male*.—Branch of the fore fork of the cubital vein shorter than the basal side of the angle. *Fem*.—Branch shorter than the angle.

Erax Caudex, Walk.

Group 2.

Mas. Corpus mediocre, robustum, hirtum. Caput subtum, densissime pilosum. Facies valde convexa. Mystax densissimum. Proboscis lanceolata. Antennarum articulus ius 2o plus duplo longior; 3us longiconicus, 1o multo brevior; arista 3o triplo longior. Thoracis latera parce setosa. Abdominis dimidium basi pilosum. Sexualia maxima, subtus hirsutissima. Pedes validi, pilosi, spinosi.

Wings ribbed and slightly dilated in front along the stigma. Cubital vein forked at very much beyond half its length; fore fork hardly undulating; fore fork forming near its base an obtuse angle, which emits a very minute rudimentary vein. First and second externo-medial veins almost straight; third hardly curved, forming a nearly right angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some little distance from the border.

Erax fortis, Walk.

Group 3.

Mas. Corpus sat gracile, vix hirtum. Caput subtus pilosum. Facies convexa. Mystax setis paucis. Proboscis sublanceolata. Thoracis latera et scutellum parce setosa. Abdomen alas superans. Sexualia magna. Pedes validi, parce spinosi; femora subpilosa.

Radial vein as usual. Cubital vein forked at very much beyond half its length; forks slightly curved, converging more towards the base than towards the tips; fore fork emitting at its base a slightly obtuse angle, which emits a branch; the latter is not more than half the length of the basal side of the angle. Extero-medial veins nearly straight; third forming a hardly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Erax Halœsus, Walk.

21. ERAX CAUDEX.

Asilus Caudex, Cat. of Diptera, Pt. 2, 404.

22. ERAX INVARIUS.

x invarius, *Diptera Saundersiana*, Pt. 2, 131.
jaica.

23. ERAX RUFITIBIA.

'em. *Ater; mystax niger, albido mixtus; thorax albo lineatus; abdomen incisuris lateribusque cinereis, segmento ultimo albo; tibiae fulva: aæ flavescentes.*
x rufitibia, *Macq. Dipt. Exot. Suppl. 3, 27, 42, pl. 2, f. 11.*
Domingo. Bio Negro.

24. ERAX FORTIS.

Mas. *Niger, cinereo tomentosus; caput subtus albidum alboque pilosum; mystax albo pilosus, setis nonnullis superioribus nigris; thorax vittis tribus latis nigris; abdominis segmenta posteriora marginibus posticis testaceis; tibiae fulva, apice nigra; tarsi subtus rufescentes; aæ limpidae, apices versus subfuscantes.*

Male. Black, with cinereous tomentum. Head whitish and slightly clothed with white hairs beneath. Mystax white, excepting a few black bristles on the higher part. Thorax with three broad black stripes, the lateral pair interrupted. Fourth, fifth and sixth abdominal segments with testaceous hind borders. Legs with white hairs, and with black and white spines; tibiae tawny, with black tips; tarsi piceous at the base, reddish beneath. Wings limpid, very slightly brownish towards the tips and along part of hind borders; veins black, tawny towards the base. Halteres black, with blackish knobs. Length of the body 7 lines; of the wings 9 lines.

St. Domingo. From Mr. Hearne's collection.

25. ERAX HAITENSIS.

Mas. *Ater; mystax albus; thorax lineis cinereis; tibiae fulva; aæ flavescentes, maris dilatatae, venæ cubitalis furca antica simplici.*

x Haitensis, *Macq. Dipt. Exot. Suppl. 3, 28, 45, pl. 2, f. 10.*
Domingo.

26. ERAX FULVIBARBIS.

Fœm. *Niger*; *facies et frons luteæ*; *thorax fulvus*, *vittis nigris*;
abdomen maculis lateralibus albis; *tibiæ tarsiique testaceæ*;
ala subfuscæ, *basi costaque limpidae*.

Erax fulvibarbis, *Macq. Dipt. Exot. Suppl. 3. 28, 44*, pl. 2, f. 13.
 St. Domingo.

27. ERAX HALÆSUS.

Asilus Halæsus, *Cat. of Diptera*, Pt. 2, 405.
 Jamaica.

South America.

A. Alæ fuscae aut subfuscæ.

A. Pedes toti nigri.

A. Venæ cubitalis furca antica ramulum non rejiciens.

a. Alæ subdilatæ. - - - - - fulvithorax, *Macq.*

b. Alæ non dilatæ. - - - - - culiciformis, *Walk.*

B. Venæ cubitalis furca antica ramulum rejiciens.

a. Thorax fulvus nigro quadriovittatus.

i. Abdominis latera alba. - - - - - Lades, *Walk.*

ii. Abdominis latera nigra. - - - - - Parphorus, *Walk.*

b. Thorax canus, nigro bivittatus. - - - - - dilectus, *Walk.*

B. Pedes nigri; tibiæ pallidæ, apice nigre.

A. Tibiæ nigro non vittatae.

a. Thorax niger. - - - - - subappendiculatus, *Macq.*

b. Thorax ferrugineus, vittis quatuor nigris.

Potamon, *Walk.*

c. Thoracis discus fuscus, vittis tribus cinereis.

commiles, *Walk.*

B. Tibiæ nigro vittatae. - - - - - Amphissa, *Walk.*

C. Pedes nigri; tibiæ pallidæ.

A. Alæ albo non strigatae.

a. Thorax fuscus. - - - - - obscurus, *Macq.*

b. Thorax cinereus, vittis nigris. - - - - - nigrimystaceus, *Macq.*

c. Thorax fulvidus, vittis nigris. - - - - - fuscipennis, *Macq.*

b. Alarum vene albido limbatae. - - - - - singularis, *Macq.*

D. Pedes rufi; femora supra, tibiæ posticæ intus tarsiique nigrae.

rufipes, *Macq.*

E. Femora et tibiæ fulva, apice nigra. - - - - - Mygdon, *Walk.*

F. Pedes fulvi; tarsi nigri.

A. Mystax supra niger, subtus flavidus. - - - - - heteropterus, *Macq.*

B. Mystax albidus. - - - - - rufithorax, *Macq.*

I. Alæ flavæ aut flavescentes.

- A. Pedes nigri (*E. maculatus*, var. Femora tibiæque supra testacea).
- A. Thorax non vittatus.
 - a. Thorax niger. - - - - griseus, Guérin.
 - b. Thorax cinereus. - - - - maculatus, Macq.
 - B. Thorax schisticolor, nigro vittatus. - - - tristis, Wied.
 - C. Thorax cinerascens, nigro vittatus. - - - nigrinus, Wied.
 - D. Thorax lineis albidis. - - - minor, Macq.
- B. Pedes picei. - - - striola, Fabr.
- C. Pedes nigri; femora tibiæque intus testacea. flavianalis, Macq.
- D. Pedes nigri; femora apice, tarsi basi tibiæque rubida.
- A. Abdominis segmenta duo apicalia nivea. pyrrhogonus, Wied.
 - B. Abdominis segmenta tria apicalia nivea. medianus, Wied.
- E. Pedes mellei; femora supra, tibiæ tarsique postica fusca. virilis, Wied.
- F. Pedes rufescentes; femora supra nigro-fusca. eurylabis, Wied.
- G. Pedes nigri; tibiæ fulvæ apice nigrae, anticæ intus nigrae. flavo-fasciatus, Wied.
- H. Pedes nigro-fusci; tibiæ rufescentes, apice nigrae. lascivus, Wied.
- I. Pedes nigri; tibiæ pallidæ.
- A. Thorax vittis nigris.
 - a. Fœminæ abdomen incisuris subargenteis. labidophorus, Wied.
 - b. Fœminæ abdomen marginibus fulvis. Bondyllis, Walk.
 - B. Thorax vittis fuscis. - - - fuscus, Wied.
- J. Pedes fulvi; femora apice nigra; tibiæ posticæ fuscescentes. copulatus, Wied.
- K. Pedes rufi. - - - - - flavidus, Macq.
- L. Pedes flavi. - - - - - mellinus, Wied.
- A. Antennarum articulus 3us simplex.
 - B. Antennarum articulus 3us basi bilobus. nodicornis, Wied.
- M. Alæ cinereæ. - - - - - velox, Wied.
- N. Alæ hyalinæ, apice flavescentes aut rufescentes.
- A. Femora nigra. - - - - stylatus, Fabr.
 - B. Femora rufa. - - - - simplex, Macq.
- O. Alæ limpidæ, venis subcostalibus apice fusco limbatis. melanacrus, Wied.
- P. Alæ hyalinæ aut subhyalinæ.

A. Antennæ nigrae.

- a.** Thorax cinerascens, vittis fuscis. - - - senilis, V
- b.** Thorax flavidus, vittis fuscis. - - - flavidus, I
- c.** Thorax niger. - - - - hyalipennis,
- d.** Thorax cinereus, nigro vittatus.
 - a.** Femora apice tibiæque fulva. - - - parvus,
 - b.** Tibiæ intus basi fulvæ. - - - pumilus,

B. Antennæ fulvæ, apice nigrae.

- a.** Pedes nigri. - - - - Sicyon,
- b.** Pedes ferruginei. - - - - Stimicon,

Group 1.

Mas. Corpus parvum. Caput subtus dense pilosum. Valde convexa. Mystax dense setosus. Proboscis lineariter tenuarum articulus 1us 2o plus duplo longior; 3us longic lo brevior; arista 3o plus triplo longior. Thorax ab diuidio longior, utrinque et postice setosus. Abdomen sudicum, basi usque ad sexualia subattenuatum, alas su Sexualia maxima; forceps brevis, latissimus. Pedes robusti, subtus pubescentes.

Cubital vein forked at a little beyond half its length nearly straight, diverging from each other at their tips; forming near its base an obtuse angle, which emits no branch and second externo-medial veins nearly straight; third forming an obtuse angle with the præbrachial, joining the far from the border. Subanal joining the anal at some from the border.

Eanax culiciformis, Walk.

Group 2.

Fæm. Corpus parce hirtum. Caput subtus densissime pilosum. Facies valde convexa. Mystax densissime setosus. Lanceolata. Thoracis latera et scutellum parce setosa. Alas longe superans, triente apicali stylata. Pedes validi, pilosi.

Cubital vein forked at beyond half its length; for slightly undulating, most remote from each other about the part; fore fork forming at its base a slightly obtuse angle, emits a branch; the latter is a little longer than the basal side angle. First, second and third externo-medial veins nearly straight forming a slightly obtuse angle with the præbrachial,

1 far from the border. Subanal joining the anal near the
des, *Walk.*

Group 3.

i. Corpus vix mediocre. Caput subtus densissime pilosum convexa. Mystax setis paucis. Proboscis gracilis, Antennarum articulus 1us 2o duplo longior; 3us lanceovix brevior; arista 3o multo longior. Thorax abdominis ongius, setis nonnullis lateralibus et posticis. Abdomen atum, alas vix superans, apice compressum et acuminatum, tum. Pedes robusti, spinosi, pubescentes.

ital vein forked at much before half its length; fore fork at its base an almost right angle, the latter emitting a which is nearly twice the length of the basal side of the nd fork slightly curved. First and second externo-medial rly straight; third curved, forming a slightly obtuse angle præbrachial, joining the fourth far from the border; sub-
ng the anal at a short distance from the border.

ctus, *Walk.*

Group 4.

us gracile, vix hirtum. Caput subtus dense pilosum convexa. Mystax setis sat paucis. Proboscis gracilis, Antennarum articulus 1us 2o plus duplo longior; 3us 1s, 1o vix brevior; arista 3o paullo longior. Thoracis scutellum parce setosa. Abdomen alas vix superans. graciles, parce setosi, vix hirti. *Mas.*—Sexualia mediom.—Abdominis quinties apicalis compressa, non stylata.

tal vein forked at before half its length; forks nearly o each other; fore fork very slightly curved, inclined for-
s tip, forming at its base an obtuse and rounded angle,
ts no branch; hind fork nearly straight. First and second edial veins nearly straight; third slightly curved, forming use angle with the præbrachial, joining the fourth far from t. Subanal joining the anal near the border.

phissa, Walk.

species appears to be on the limits of the genus *Eanax*, and
1 *Eristicus* of Loew.

A. Antennæ nigrae.

- a.** Thorax cinerascens, vittis fuscis. - - - senilis, Wied.
- b.** Thorax flavidus, vittis fuscis. - - - flavidus, Wied.
- c.** Thorax niger. - - - hyalipennis, Meq.
- d.** Thorax cinereus, nigro vittatus.
 - a.** Femora apice tibiæque fulva. - - - parvus, Walk.
 - b.** Tibiæ intus basi fulvæ. - - - pumilus, Walk.
- B. Antennæ fulvæ, apice nigrae.**
 - a.** Pedes nigri. - - - Sicyon, Walk.
 - b.** Pedes ferruginei. - - - Stimicon, Walk.

Group 1.

Mas. Corpus parvum. Caput subtus dense pilosum. Facies valde convexa. Mystax dense setosus. Proboscis linearis. Antennarum articulus 1us 2o plus duplo longior; 3us longiconicus; 1o brevior; arista 3o plus triplo longior. Thorax abdominis diundio longior, utrinque et postice setosus. Abdomen subcylindricum, basi usque ad sexualia subattenuatum, alas superant. Sexualia maxima; forceps brevis, latissimus. Pedes robusti, spinosi, subtus pubescentes.

Cubital vein forked at a little beyond half its length; forks nearly straight, diverging from each other at their tips; fore fork forming near its base an obtuse angle, which emits no branch; first and second externo-medial veins nearly straight; third curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some distance from the border.

Erax culiciformis, Walk.

Group 2.

Fæm. Corpus parce hirtum. Caput subtus densissime pilosum. Facies valde convexa. Mystax densissime setosus. Proboscis lanceolata. Thoracis latera et scutellum parce setosa. Abdomen alas longe superans, triente apicali stylata. Pedes validi, spinosi, pilosi.

Cubital vein forked at beyond half its length; forks very slightly undulating, most remote from each other about the middle part; fore fork forming at its base a slightly obtuse angle, which emits a branch; the latter is a little longer than the basal side of the angle. First, second and third externo-medial veins nearly straight; third forming a slightly obtuse angle with the præbrachial, joining

e fourth far from the border. Subanal joining the anal near the border.

Mystax Lades, Walk.

Group 3.

Fem. Corpus vix mediocre. Caput subtus densissime pilosum. Facies convexa. Mystax setis paucis. Proboscis gracilis, nearis. Antennarum articulus 1us 2o duplo longior; 3us lanceatus, 1o vix brevior; arista 3o multo longior. Thorax abdominis imido longior, setis nonnullis lateralibus et posticis. Abdomen blanceolatum, alas vix superans, apice compressum et acuminatum, on stylatum. Pedes robusti, spinosi, pubescentes.

Cubital vein forked at much before half its length; fore fork forming at its base an almost right angle, the latter emitting a branch, which is nearly twice the length of the basal side of the angle; hind fork slightly curved. First and second externo-medial veins nearly straight; third curved, forming a slightly obtuse angle with the *præbrachial*, joining the fourth far from the border; subanal joining the anal at a short distance from the border.

Mystax diluctus, Walk.

Group 4.

Corpus gracile, vix hirtum. Caput subtus dense pilosum. Facies convexa. Mystax setis sat paucis. Proboscis gracilis, nearis. Antennarum articulus 1us 2o plus duplo longior; 3us lanceatus, 1o vix brevior; arista 3o paulo longior. Thoracis tera et scutellum parce setosa. Abdomen alas vix superans. Pedes sat graciles, parce setosi, vix hirti. *Mas.*—*Sexualia medioaria.* *Fem.*—Abdominis quinties apicalis compressa, non stylata.

Cubital vein forked at before half its length; forks nearly parallel to each other; fore fork very slightly curved, inclined forward at its tip, forming at its base an obtuse and rounded angle, which emits no branch; hind fork nearly straight. First and second externo-medial veins nearly straight; third slightly curved, forming a very obtuse angle with the *præbrachial*, joining the fourth far from the border. Subanal joining the anal near the border.

Mystax Amphissa, Walk.

This species appears to be on the limits of the genus *Erax*, and may be an *Eristicus* of Loew.

angle with the præbrachial, joining the fourth far from the border
Subanal joining the anal very near the border.

Erax Bardyllis, Walk.

In this species, as in some others, the basal side of the angle of the fore fork of the cubital is occasionally double, and the third extero-medial vein is continued across the fourth to the border.

Group 10.

Fam. Corpus vix hirtum. Caput subtus densissime pilosum. Facies valde convexa. Mystax dense setosus. Proboscis robusta, lanceolata. Antennarum articulus 1us 2o duplo longior; 3us longiconicus, lo brevior; arista 3o fere triplo longior. Thoracis latera et scutellum parce setosa. Abdomen alas superans, triente apicali stylata. Pedes robusti, spinosi, parce hirti.

Cubital vein forked at rather beyond half its length; forks very slightly curved, approaching much nearer each other towards the base than towards the tips; fore fork forming at its base a hardly obtuse angle; the latter emitting a branch which about equals it in length. First and second extero-medial veins almost straight; third very slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal close to the border.

Erax fuscus, Wied.

Group 11.

Corpus sat gracile, parce hirtum. Caput subtus densissime pilosum. Facies valde convexa. Mystax densissime setosus. Proboscis linearis. Antennarum articulus 1us 2o plus duplo longior; 3us longiconicus, lo brevior; arista 3o triplo longior. Thoracis latera et scutellum parce setosa. *Mas.*—Abdomen alas vix superans. Sexualia magna. *Fam.*—Abdomen alas paullo superans, triente apicali stylata.

Cubital vein forked at very much beyond half its length; forks hardly undulating, approaching each other at the base and near the tips; fore fork forming at its base a slightly obtuse angle, which emits a branch; the latter is not longer than the basal side of the angle. First and second extero-medial veins nearly straight; third hardly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border of the wing. Subanal joining the anal very near the border.

Erax stylatus, Fabr.

Group 12.

Mas. Corpus sat dense hirtum. Caput subitus densissime ilosum. Facies valde convexa. Mystax dense setosus. Antennarum articulus 1us 2o plus duplo longior; 3us longiconicus, 1o revior; arista 3o triplo longior. Thoracis latera et scutellum parce stosa. Abdomen alas superans. Sexualia magna. Pedes robusti, spinosi, breviter hirti.

Cubital vein forked at much beyond half its length ; forks very lightly curved, converging towards the base, and more slightly towards the tips ; fore fork forming at its base a very slightly obtuse angle, which emits a branch ; the latter is longer than the basal side of the angle. First, second and third externo-medial veins hardly curved ; third forming an almost right angle with the præbrachial, joining the fourth far from the border. Subanai joining the anal near the border.

Eanax senilis, Wied.

Group 13.

Fem. Corpus robustum. Caput subitus valde pilosum. Facies convexa. Mystax dense setosus. Proboscis linearis, sat gracilis. Antennarum articulus 3us longiconicus, 1o æqualis, arista brevier. Thorax parce setosus. Abdomen nudum, oblanceolatum, apice compressum, non stylatum, alas vix superans. Pedes validi, spinosi, non hirti.

Cubital vein forked at much before half its length ; forks near each other and parallel towards the base, slightly converging and curved forwards at the tips ; fore fork forming at its base a right angle, which emits a branch ; the latter is much longer than the basal side of the angle. First and second externo-medial veins almost straight ; third slightly curved, forming a right angle with the præbrachial, joining the fourth near the border. Subanai joining the anal near the border.

Eanax Sicyon, Walk.

28. EANAX FULVITHORAX.

Ater; thorace cervinus, nigro vittatus; abdominis segmenta duo apicalia nivea (mas.) aut incisuris albidis (fem.); alæ fuscaæ, paullo dilatatae.

Eanax fulvithorax, Macq. Dipt. Exot. i. 2, 113, 18.

Allied to *A. pyrrhogonus*, Wied.

Eanax Guiana.

29. ERAX CULICIFORMIS.

Mas. *Ater; caput et thorax ferrugineo tomentosa; caput subtilis albo pilosum; mystax supra niger; subtus testaceus; thorax vittis tribus subconnexis nigris; abdomen fasciis duabus intergris, una basali altera subapicali, duabusque intermediis interrupitis argenteis; pedes subtus albido subpubescentes; fuscae.*

Male. Deep black. Head and thorax with ferruginous tomentum. Head clothed beneath with white hairs. Mystax with black bristles above and with testaceous bristles below. Disk of the thorax black, with two very slender and indistinct ferruginous stripes. Abdomen with four silvery bands, first and fourth entire, second and third interrupted. Legs partly and thinly clothed beneath with whitish down. Wings brown. Halteres testaceous. Length of the body 6 lines; of the wings 8 lines.

a. Tapayos, Brazil. From Mr. Bates' collection.

30. ERAX LADES.

Asilus Lades, Cat. of Diptera, Pt. 2, 403.

Brazil.

31. ERAX PARPHORUS.

Erax Parphorus, Diptera Saundersiana, Pt. 2, 127.

Colombia.

32. ERAX DILECTUS.

Fœm. *Caput et thorax picea, albido tomentosa; caput subtilis albo pilosum; mystax supra niger, subtus albidus; thorax piceo vittatus; abdomen atrum, fasciis quinque interrupitis albis, 4a minima, 5a latissima; pedes picei, albo pubescentes, spinis nigris; alæ subcinereæ.*

Fem. Head and thorax piceous, with whitish tomentum. Head with white hairs beneath. Mystax with black upper bristles and whitish lower bristles. Thorax with two piceous stripes, which are connected hindward. Abdomen deep black, with five interrupted white bands; first, second, third and fifth bands broad; second and third deeply indented in front; fourth very slender; fifth occupying the whole length of the sixth segment. Legs piceous, with white down; spines black. Wings slightly grayish. Halteres testaceous, with piceous knobs. Length of the body 7 lines; of the wings 10 lines.

a. Santarem, Brazil. From Mr. Bates' collection.

33. ERAX SUBAPPENDICULATUS.

Mas. *Ater; abdominis segmenta quatuor apicalia argentea; tarsi anteriores tibiæque rufa; alæ subfuscæ, paullo dilatatae, vena cubitalis furca antica ramulum rejiciens brevissimum.*
Erax subappendiculatus, Macq. Dipt. Exot. i. 2, 114, 16.
Brazil.

34. ERAX POTAMON.

Erax Potamon, Diptera Saundersiana, Pt. 2, 128.
South America.

35. ERAX COMMILES.

Erax commiles, Diptera Saundersiana, Pt. 2, 132.
South America.

36. ERAX AMPHISSA.

Erax Amphissa, Cat. of Diptera, Pt. 2, 406.
Brazil.

37. ERAX OBSCURUS.

Fœm. *Fuscus; abdominis incisuræ albidae; pedes nigri, tibiis obsecure testaceis; alæ subfuscæ.*
Erax obscurus, Macq.
Brazil.

38. ERAX NIGRIMYSTACEUS.

Mas. *Niger; thorax cinereus, vittis nigris; abdominis segmenta tria postica alba; tibiæ testaceæ; alæ paullo dilatatae, vena cubitalis furca antica ramulum rejiciens brevissimum.*
Erax nigrimystaceus, Macq. Dipt. Exot. Suppl. 2, 41, 40.
Guadeloupe.

39. ERAX FUSCIPENNIS.

Fœm. *Fuscus; mystax niger; thorax fulvidus, vittis nigris; pedes nigri, tibiis testaceis; alæ fuscæ; vena cubitalis furca antica ramulum non rejiciens.*
Erax fuscipennis, Macq. Dipt. Exot. Suppl. 2, 40, 38.
Brazil.

40. ERAX SINGULARIS.

Mas. *Ater; abdominis segmenta duo apicalia albida; alæ dilatatae, fuscaneæ, venis albido limbatis.*

Erax singularis, Macq. Dipt. Exot. i. 2, 111, 8, pl. 9, f. 10.
Brazil.

41. ERAX BUFIGES.

Fœm. *Gracilis, ater, cinereo pubescens; thorax vittis nigris; pedes rufi, femoribus supra, tibiis posticis intus tarsisque nigris; alæ subfuscæ.*

Erax rufipes, Macq. Dipt. Exot. i. 2, 112, 10.
Brazil.

42. ERAX MYGDON.

Erax Mygdon, Diptera Saundersiana, Pt. 2, 127.
South America.

43. ERAX HETEROPTERUS.

Mas. *Niger; mystax supra niger, subtus flavidus; thorax cinereus vittis nigris; abdomen incisuris albidis; pedes fulvi; alæ fuscaneæ, areola cubitali la clausa.*

Erax heteropterus, Macq. Dipt. Exot. Suppl. i. 83, 33, pl. 8, f. 6.
New Grenada. Cold Region.

44. ERAX BUFITHORAX.

Fœm. *Niger; mystax albidus; thorax cinereus, vittis nigris; abdomen incisuris cinereis; pedes fulvi, tarsi nigri; alæ fuscaneæ.*

Erax rufithorax, Macq. Dipt. Exot. Suppl. 1, 82, 31.
Brazil.

45. ERAX GRISEUS.

Mas. *Ater; abdominis incisuræ cinereæ, segmenta duo apicale albida; alæ subflavescentes, dilatatae; venæ cubitali fere antica ramulum non rejiciens.*

Asilus griseus, Guérin, Zool. Voy. Duperrey.
Erax griseus, Macq. Dipt. Exot. i. 2, 115, 78.
Chili.

46. ERAX MACULATUS.

Cinereus; abdominis segmenta 2um et 3um macula laterali, 4um 5umque incisuris, 6um 7umque tota albida; pedes nigri; alæ flavidae.

Var. β . *Femora tibiæque supra testacea.*

Allied to *Erax striola*, Wied.

Erax maculatus, Macq. Dipt. Exot. i. 2, 111, 9, pl. 9, f. 6.

Guiana, Columbia, Guadeloupe.

47. ERAX TRISTIS.

Fœm. *Niger; thoracis vittæ interstitiis schisticoloribus; abdominis incurva et maculae mediae segmentorum penultimorum albidae; alæ flavescentes.*

Basilus tristis, Wied. Auss. Zweifl. i. 470, 69.

Brazil.

48. ERAX NIGRINUS.

Cinerascens; antennæ et pedes nigra; thorax nigro vittatus; abdomen nigrum, incisuris albis; alæ flavescentes.

Basilus nigrinus, Wied. Dipt. Exot. i. 197, 28; Auss. Zweifl. i. 462, 56.

Brazil.

49. ERAX MINOR.

Fœm. *Niger; mystax subtus albus; thorax lineis albidis; abdomen incisuris albis; alæ subflavescentes; vena cubitalis furca antica ramulum non rejiciens.*

Erax minor, Macq. Dipt. Exot. Suppl. 2, 41, 39.

Brazil.

50. ERAX STRIOLA.

Cinerascens; antennæ nigrae; thorax vitta unica fusca antice divisa; abdomen nigrum, segmento singulo maculis utrinque basi canis apice flavidis; pedes picei aut nigro-picei; alæ flavescentes.

Dasypogon striola, Fabr. Syst. Antl. 172, 38.

Basilus striola, Wied. Dipt. Exot. i. 199, 31; Auss. Zweifl. i. 464, 58.

Brazil.

51. ERAX FLAVIANALIS.

Mas. *Ater; abdominis incisuræ albæ, segmentum ultimum alanus lateribus flavis; femora tibiæque intus testacea; subflavescetes, apice cinereæ, venæ externo-mediæ furcata ramulum rejiciente, venis externo-mediis 3a et 4a junctis.*

Erax flavianalis, Macq. Dipt. Exot. Suppl. 3, 26, 41.

Minas Geraes.

52. ERAX? PYRRHOGONUS.

Niger; thorax vittarum interstitiis corvinis; abdomen mari-
mentis duobus apicalibus niveis, fœm. incisuris albi
femora apice, tarsi basi tibiæque rubida; alæ flavescetes

Asilus pyrrhogonus, Wied. Auss. Zweifl. i. 472, 71.

Brazil.

53. ERAX MEDIANUS.

Mas. *Niger; thorax interstitiis vittarum cervino-flavidis; a-*
minis segmenta tria apicalia nivea; femora apice, tarsi
tibiæque rubida; alæ flavescetes.

Asilus medianus, Wied. Auss. Zweifl. i. 473, 73.

Brazil.

54. ERAX VIRILIS.

Fuscus; abdominis incisuræ canescentes; pedes mellei, femoræ
supra tibiis tarsisque posticis fuscis; alæ flavescetes, e-
saturatores.

Asilus virilis, Wied.

Brazil.

55. ERAX EURYLABIS.

Mas. *Cinereus; antennæ fusca; thoracis discus fuscus, vitta*
abdomen maculis maximis trigonis; forceps analis latissimus
rubidus; pedes rubidi; alæ flavescetes.

Asilus eurylabis, Wied. Auss. Zweifl. i. 469, 67.

Brazil.

56. ERAX FLAVO-FASCIATUS.

Fœm. *Thorax cinerascens, nigro vittatus; abdomen nigrum*
fasciis lateribusque late flavis; pedes nigri; tibiae si-
apice nigrae, anticae intus nigrae

us flavo-fasciatus, *Wied.*

.zil.

57. ERAX LASCIVUS.

tem. Cinereus; thorax fuscō vittatus; abdomen nigrum, albido fasciatum; pedes nigri, tibiis rubidis apice nigris; alae flavescentes.

us lascivus, *Wied.*

.zil.

.*Asilus Amarynceus, Cat. of Diptera, Pt 2, 400.*

58. ERAX LABIDOPHORUS.

Viger; thorax vittis cervino separatis; tibiae ferruginea; abdomen maris basi utrinque flavidō hirtum segmentis duobus apicalibus subargenteis, scem. incisuris anguste marginibus lateralibus late subargenteis flavidō hirtis; alae saturate flavidæ.

us labidophorus, *Wied.*

.zil.

59. ERAX BARDYLLIS.

lus Bardyllis, *Cat. of Diptera, Pt. 2, 401.*

.zil.

60. ERAX FUSCUS.

fuscus; thoracis vittarum intersticis cinereas; abdominis incisuræ albicantes, segmento ante forcipem albo; tibiae rubidae; alae flavescentes.

lus fuscus, *Wied.*

.zil.

61. ERAX COPULATUS.

Cinerascens; mystax niger; antennæ nigrae; thorax fuscō vittatus; pedes rubidi, femoribus apice nigris; alae subflavescentes.

lus copulatus, *Wied. Zool. Mag. iii. 48, 10; Dipt. Exot. i. 192, 18; Auss. Zweifl. i. 457, 50.*

62. ERAX FLAVIDUS.

Flavidus; antennæ pedesque rufa; alae flavescentes, venæ cubitalis furca antica ramulum rejqicens brevissimum.

Erax flavidus, Macq. Dipt. Exot. i. 2, 114, 15.
Brazil.

63. ERAX MELLINUS.

Cervinus; antennæ, abdomen et pedes mellea; thorax fuso rillus; alæ subflavescentes.

Asilus mellinus, Wied. Auss. Zweifl. i. 465, 60.
Monte Video.

64. ERAX[?] NODICORNIS.

Mas. *Cinereus*; antennæ nigro-fuscæ, articulo 3o melleo bilobo; thorax vittis fuscenscentibus; abdomen fuscenscentes pedes flavescentes; alæ subflavescentes.

Asilus nodicornis, Wied. Auss. Zweifl. i. 469, 66.
Brazil.

65. ERAX VELOX.

Mas. *Niger*; thorax cervinus, vittis nigris; abdominis segmentum 2um utrinque albidum, 6um et 7um nivea; alæ cinerea.

Asilus velox, Wied. Auss. Zweifl. i. 468, 64.
Pernambuco.

66. ERAX STYLATUS.

Fœm. *Cinerascens*; thorax nigro vittatus; abdomen segmenti singulis macula maxima nigra; tibiæ rufæ; alæ limpide, apice flavescentes.

Asilus stylatus, Fabr.
Brazil.

67. ERAX SIMPLEX.

Fœm. *Ater, cinereo pubescens*; *mystax albidus*; *thorax lineis nigris*; *abdominis incisurae cinereæ*; *pedes fulvi, tarsi nigris*; *alæ subhyalinæ, venæ cubitalis furca antica ramulus nullum rejiciens*.

Erax simplex, Macq. Dipt. Exot. Suppl. 3, 27, 43, pl. 2, f. 14.
Rio Negro.

68. ERAX MELANACRUS.

Fœm. *Flavidus*; *mystax albus*; *antennæ nigræ*; *thorax nigro vittatus*; *abdomen fuscum, albido fasciatum*; *pedes fulvi, femoribus apice nigris*; *alæ limpidissimæ, venis subcostulatis apice fusco limbatis*.

nelanacrus, Wied. Auss. Zweifl. i. 472, 72.

69. ERAX SENILIS.

rascens; thorax vittis fuscis; abdomen nigricans, incisuris lateribusque late albis; pedes nigri; alæ limpidæ. Mas.—
Abdomen apice argenteum.

senilis, Wied.

Video.

70. ERAX FLAVIDUS.

.. *Pallide flavidus*; antennæ nigræ; thorax fusco vittatus; abdomen utrinque albidum; pedes fuscii, tibiis flavescentibus apice fuscis; alæ limpidæ, vix flavescentes.

flavidus, Wied. Auss. Zweifl. i. 473, 74.

71. ERAX HYALIPENNIS.

.. *Ater*; abdominis segmenta duo apicalia argentea; alæ hyalinæ, venæ cubitalis furca antica ramulum non rejiciens.

hyalipennis, Macq. Dipt. Exot. i. 2, 114, 17.

72. ERAX PARVUS.

.. *Obscure cinereus, mystace antennisque nigris*; thorax vittis duabus dorsalibus maculisque lateralibus nigris; abdomen nigrum, segmentis cano late fasciat, triente apiculi stylata; pedes nigri, femoribus apice tibiisque fulvis; alæ hyalinæ, vix subcinereæ; halteres testacei.

ark cinereous. Head and pectus hoary. Head clothed below with white hairs. Face very convex. Mystax not thick, black bristles, and towards the mouth with whitish bristles. Joint of the antennæ long, conical, a little shorter than the arista nearly thrice the length of the third joint. Thorax black with two broad hoary bands on each side. Thorax with black dorsal stripes and with six lateral black spots. Abdomen with a broad hoary band on the hind border of each segment; hind part stylate. Legs black, stout, spinose, slightly hairy; end tips of the femora tawny. Length of the body 6 lines; wings 8 lines.

Brazil. From Mr. Bates' collection.

73. ERAX PUMILUS.

Cinereus; caput albo pilosum; mystax albidus, setis paucis supra nigris; thorax nigro trivittatus; abdomen supra nigrum, maculis laterilibus trigonis canis; tibiae intus basi false; alæ subhyalinae.

Cinereous. Head white and clothed with white hairs behind and beneath. Mystax with many whitish bristles, above which are a few black bristles. Thorax with three blackish stripes, the lateral pair interrupted. Abdomen black above; hind borders of the segments with triangular white spots on each side. Tibiae tawny towards the base on the inner side. Wings nearly limpid. *Male*.—Abdomen almost twice the length of the thorax; two subapical segments silvery white. Sexualia of moderate size. *Fem*.—Stylate part of the abdomen shining. Length of the body 6 lines; of the wings 10 lines.

a, b. Vera Cruz. From M. Sallé's collection.

74. ERAX SICYON.

Asilus Sicyon, Cat. of Diptera, Pt. 2, 399.

Brazil.

75. ERAX STIMICON.

Erax Stimicon, Diptera Saundersiana, Pt. 2, 129.

Colombia.

Africa.

- | | | |
|--------------------------|-----------|------------------|
| A. Abdomen vittatum. | - - - - - | algirus, Linn. |
| B. Abdomen non vittatum. | - - - - - | femoralis, Wied. |

76. ERAX? ALGIRUS.

Rubidus; antennæ fulve; mystax albus; thorax vittis saturatis; abdomen fuscum, vittis tribus obsoletis nigellis; pedes badii, pilis setisque albis; alæ limpidae.

Asilus algirus, Linn. Syst. Nat. 2, 1006, 2. Fabr. Ent. Syst. 376, 3; Syst. Antl. 153, 3. Wied. Dipt. Exot. i. 196, 27; Auss. Zweifl. i. 461, 55.

Algeria.

77. ERAX? FEMORALIS.

Cinereus; antennæ et pedes rufescentes; thorax vitta et utrinque puncto fuscis; femora nigro vittata; alæ limpidæ, venæ cubitalis furca postica et vena externo-media la conjunctis.

ilus femoralis, Wied. Auss. Zweifl. i. 466, 61.

gypt.

Asia.

Abdomen nigrum.

A. Abdomen maculatum. - - - - Sinensis, Macq.

B. Abdomen non maculatum.

A. Pedes toti nigri. - - - - integer, Macq.

B. Femora et tibie subtus rufa. - - - Curiatius, Walk.

Abdomen rufum. - - - rufiventris, Macq.

Group 1.

Mas. Corpus parce pilosum. Caput subtus dense pilosum. acies valde convexa. Mystax sat dense setosus. Proboscis subnebris. Thoracis latera et scutellum parce setosa. Abdomen ingi-oblateolatum, thorace multo angustius et plus duplo longius. exhalia magna. Pedes robusti, setosi, parce hirti.

Radial as usual. Cubital vein forked at half its length ; fore &k hardly curved, forming an obtuse and rounded angle at its base ; hind fork very slightly undulating. First and second externo-medial veins nearly straight ; third slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Max Curiatius, Walk.

78. ERAX SINENSIS.

Fœm. Ater; thorax cinereus, nigro vittatus; abdominis segmenta 2um 3um 6umque albido maculata; alæ fuscanæ.

Erax Sinensis, Macq. Dipt. Exot. i. 2, 108, 2.

china.

79. ERAX INTEGER.

Fœm. Niger; mystax albidus; thorax cinereo tomentosus, vittis nigris; alæ subhyalinae, venæ cubitalis furca antica ramulum non rejiciens.

Erax integer, Macq. Dipt. Exot. Suppl. 1, 81, 30.

Manilla.

80. ERAX CURIATIUS.

Asilus Curiatius, Cat. of Diptera, Pt. 2, 432.

Nepaul.

81. ERAX RUFIVENTRIS.

Fœm. *Ater; abdomen rufum, ano nigro; tibiæ anteriores externe testaceæ; alæ fuscæ.*

Erax rufiventris, Macq. Dipt. Exot. i. 2, 108, 1.

Bengal.

Australia.

A. Alæ nigrae, fuscæ aut subfuscæ.

A. Pedes ferrugineo-rubidi.

A. Abdomen nigrum.

a. Thorax fuliginosus. - - - Belzebul, Wied.

b. Thorax cinereus nigro trivittatus. - annulipes, Macq.

B. Abdomen flavidum. - - - Hercules, Wied.

B. Femora nigra.

a. Thorax rufo-cinereus. - - - Salomon, Macq.

b. Thorax auratus. - - - fuscipennis, Macq.

B. Alæ subflavescentes. - - - varimystaceus, Macq.

82. ERAX BELZEBUL.

Thorax fuliginosus; abdomen nigrum; pedes ferruginosi-rubidi; alæ fuscæ, antice dilataæ.

Asilus Belzebul, Wied. Auss. Zweifl. i. 425, 1.

Erax Belzebul, Macq. Dipt. Exot. i. 2, 109, 3.

Asilus plicatus? Wied.

New Holland.

83. ERAX ANNULIPES.

Fœm. *Cinereus; mystax albo flavescens, setis nonnullis nigrit; barba alba; arista apice subincrassata; thorax vittis tribus nigris, intermedia divisa; abdomen nigrum, segmentorum marginibus posticis cinereis; pedes fulvi, femoribus posterioribus apice tarsisque nigris; alæ subfuscæcentes, venis fuscæ marginatis.*

ax annulipes, Macq. Dipt. Exot. Suppl. 1, 83, 32, pl. 8, f. 8.
New Holland.

84. ERAX HERCULES.

Mas. *Niger*; thorax cinereus, vittis nigricantibus; abdomen flavidum; pedes ferruginosi, femoribus tibiisque apice nigris; alæ flavescentes, plaga fuscana.

Erax Hercules, Wied. Auss. Zweifl. i. 425, 2.
Erax Hercules, Macq. Dipt. Exot. Suppl. 1, 82, 425, 2.
Sydney Island, &c.

85. ERAX SALOMON.

Mas. *Ater*; thorax rufo-cinereus, nigro vittatus; abdominis latera albida, segmentis tribus apicalibus argenteis; pedes rufi, femoribus tarsisque posticis nigris; alæ subfuscæ, dilatatae.

Erax Salomon, Macq. Dipt. Exot. i. 2, 110, 5; Suppl. 1, 82.
Port Praslim, Solomon Isles.

86. ERAX FUSCIPENNIS.

Mas. *Ater*; thorax aureus, nigro vittatus; tibiæ testaceæ; alæ fuscanae.

Erax fuscipennis, Macq. Dipt. Exot. i. 2, 109, 4.
New Holland.

87. ERAX VARIMYSTACEUS.

Fem. *Mystax setis nigris albisque*; thorax cinereus, vittis nigris; abdomen nigrum lateribus incisurisque cinereis; tibiæ testaceæ; alæ subflavescentes, venæ cubitalis furca antica ramulum non rejiciens.

Erax varimystaceus, Macq. Dipt. Exot. Suppl. 2, 40, 37.
New Holland.

Country unknown.

1. Alæ fuscæ.

2. Tibiæ rufæ.

 A. Thorax cinereus, vittis nigris. - inappendiculatus, Macq.

 B. Thorax ferrugineus aut piceus.

 a. Furca cubitalis antica ramulum rejiciens. Malis, Walk.

<i>b.</i> Furca cubitalis antica ramulo nullo.	-	robustus, <i>Walt.</i>
<i>B.</i> Tibiæ nigrae.	-	Marcinus, <i>Walt.</i>
<i>B.</i> Alæ fulvæ aut flavescentes.	-	
<i>A.</i> Pedes nigri.	-	nervosus, <i>Macq.</i>
<i>B.</i> Femora nigra.	-	- asper, <i>Walt.</i>
<i>C.</i> Femora rufa, nigro vittata.	-	
<i>A.</i> Alæ subfulvæ, apice cinereæ.	-	- Leon, <i>Walt.</i>
<i>B.</i> Alæ fulvæ.	-	- concolor, <i>Walt.</i>
<i>D.</i> Tibiæ luteæ, apice nigræ.	-	- nitidus, <i>Walt.</i>

Group 1.

Fæm. Corpus gracile, parum hirtum. Caput subtus dense pilosum. Facies convexa. Mystax raro setosus. Proboscis linearis. Antennarum articulus 1us 2o triplo longior; 3us sublinearis, lo æqualis; arista 3o paullo longior. Thoracis latera et scutellum setis paucis. Abdomen alas non superans, apice compressum, acuminatum. Pedes sat graciles, fere nudi, parce spinosi.

Radial vein very slightly curved, joining the subcostal near the tip of the latter. Cubital forked at about half of its length; fore fork forming at its base a nearly right angle, which emits a branch much shorter than its basal side; hind fork and the first and second externo-medial veins almost straight. Third externo-medial curved, forming a slightly obtuse angle with the præbrachial, which is slightly curved, joining the fourth far from the border. Subanal joining the anal rather near the border.

This group is almost as nearly allied to *Asilus* as to the type of *Erax*.

Erax Malis.

Group 2.

Mas. Corpus breve, crassum, hirtum, sat magnum. Facies valde convexa. Mystax densissime setosus, usque ad antennas ascendens. Proboscis valida, lanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us longiconicus, lo brevior; arista 3o plus duplo longior. Thorax cristatus. Abdomen thorace multo longius, alas non superans. Sexualia maxima. Pedes crassi, hirti, breviuscui.

Wings slightly dilated in front at two-thirds of the length. Cubital vein forked at very much beyond half its length; forks diverging, then converging, and again diverging at the tips. First and second externo-medial veins nearly straight; third hardly

id, forming an almost right angle with the *præbrachial*, joining fourth far from the border. Subanal joining the anal rather than the border.

robustus, Walk.

Group 3.

Caput subtus densissime pilosum. Facies valde convexa. mystax densissime setosus. Proboscis linearis. Thorax parce hirsutus, lateribus scutelloque subsetosis. Pedes validi, parce spinosi; caput subtus dense et breviter spinosa.

Radial vein almost straight, joining the subcostal very far from the tip of the latter. Cubital vein forked at beyond half its length; very slightly curved, slightly converging towards each end; fork joining the subcostal close to the tip of the latter, forming at base a slightly obtuse angle, which emits a branch; the latter nearly twice the length of the basal side of the angle. First and second *externo-medial* veins nearly straight; third slightly curved, forming an almost right angle with the *præbrachial*, joining the fourth far from the border. Subanal joining the anal near the border.

x Marcinus, Walk.

Group 4.

Mas. Corpus magnum, hirtum. Caput subtus densissime pilosum. Facies convexa. *Mystax* densissime setosus, fere ad angulum ascensens. Proboscis lanceolata. Abdomen sublineare, alas superans. Sexualia magna, lamellis duabus cochleariformibus; *ips* maximus. Pedes robusti, hirti, spinosi.

Male. Radial vein as usual. Cubital vein forked at very nearly beyond half its length; forks undulating, nearer each other in the middle than towards each end; fore fork not angular nor emitting a branch. First *externo-medial* vein much curved at its junction; second straight; third curved, forming an obtuse angle with the *præbrachial*, joining the fourth far from the border. Subanal joining the anal close to the border.

x Leon, Walk.

88. ERAX INAPPENDICULATUS.

Ias. *Ater*; *thorax cinereus, nigro vittatus*; *abdominis latera albida*; *segmenta duo apicalia alba*; *tibiae rufæ, apice nigrae*; *ala fusca, subdilatata, venæ cubitalis furca antica ramulum non rejiciens.*

x inappendiculatus, Macq. Dipt. Exot. i. 2, 119, 29.

89. ERAX MALIS.

Asilus Malis, *Cat. of Diptera*, Pt. 2, 432.

90. ERAX BOBUSTUS.

Mas. *Niger; mystax supra niger, subtus testaceus; thorax piceo-tomentosus, vittis ferrugineus; tibiae luteæ, apice nigre; alæ fuscescentes.*

Male. Black, clothed with black hairs. *Mystax* with black upper bristles, and with testaceous lower bristles. *Thorax* with piceous tomentum and with indistinct ferruginous stripes. *Tibiae* luteous, clothed with testaceous hairs; *tips* black. *Wings* brownish. *Halteres* tawny. Length of the body 9 lines; of the wings 18 lines.

a. ——?

91. ERAX MARCINUS.

Asilus Marcinus, *Cat. of Diptera*, Pt. 2, 404.

92. ERAX NERVOSUS.

Mas. *Ater; abdominis segmenta duo apicalia albida; alæ subfuscantes, dilatatae, inappendiculatae, venis rufo-fusco marginatae.*

Erax nervosus, *Macq. Dipt. Exot.* i. 2, 118, 28.

93. ERAX ASPER.

Erax asper, *Diptera Saundersiana*, Pt. 2, 130.

94. ERAX LEON.

Asilus Leon, *Cat. of Diptera*, Pt. 2, 402.

95. ERAX CONCOLOR.

Erax concolor, *Diptera Saundersiana*, Pt. 2, 130.

96. ERAX? NITIDUS.

Fœm. *Cinereus; antennæ et pedes nigra; thorax nigro vittatus; abdomen nigrum, albido fasciatum; tibiae luteæ, apice nigre; alæ flavescentes.*

Asilus nitidus, *Wied. Auss. Zweifl.* i. 466, 62.

Genus 5. APOCLEA.

Corpus non depresso nec ciliatum. Facies plana. *Maris* sexualia parva. *Fæm.* terebra corona spinosa armata. Alarum vena^e cubitalis furca antica ramulum rejiciens; furca postica et la extero-media la conjunctæ.

oclea, Macq. Dipt. Exot. i. 2, 119. Loew, Linn. Ent. iii. 395, 403.

1. APOCLEA PALLIDA.

Fæm. Pallide-cinerea; thorax vittatus; tibiae tarsiique rufa; alæ hyalinæ.

oclea pallida, Macq. Dipt. Exot. i. 2, 119, 9, pl. 10, f. 1.

Egypt.

2. APOCLEA FUSCANA.

Mas. Fuscana; abdominis incisuræ flavidæ; pedes antici fulvi, femoribus extus nigricantibus, tarsis fuscis; alæ flavidæ.

oclea fuscana, Macq. Dipt. Exot. i. 2, 120, 2.

Egypt.

Genus 6. PROCTACANTHUS.

Corpus non depresso nec ciliatum. Facies vix prominens. Laris sexualia parva. *Fæm.* terebra longa, corona spinosa sæpissime armata. Alarum vena^e cubitalis furca antica ramulum non rejiciens.

roctacanthus, Macq. Dipt. Exot. i. 2, 120. Loew, Linn. Ent. iii. 395, 403.

silus, p., Fabr.; Wied.

North America.

. Pedes badii aut castanei.

A. Alæ sat longæ.

A. Abdomen cinerascens. - - - - longus, Wied.

B. Abdomen testaceum, flavo hirtum. - - Milbertii, Macq.

C. Abdomen rubido-fuscum. - - - heros, Wied.

D. Abdomen nigrum, incisuris albidis. - nigriventris, Macq.

B. Alæ breves. - - - - brevipennis, Wied.

. Pedes testacei, femoribus subtus nigris. Philadelphicus, Macq.

Group 1.

Fæm. Corpus maximum, parce hirtum. Caput subitus densissime pilosum. Facies parum convexa. Mystax dense setosus. Proboscis crassa, lanceolata. Antennarum articulus 1us 2o longior; 3us longiconicus, compressus, lo multo brevior; arista 3o plus duplo longior. Thoracis latera et scutellum parce setosa. Abdomen ob lanceolatum pilosum, apicem versus cylindricum, thorace triplo longius. Pedes validi, spinosi, hirti.

Cubital vein forked at half its length; fore fork forming a nearly right angle at its base; hind fork slightly curved. First externo-medial slightly curved near its base; second straight; third much curved, joining an obtuse angle with the præbrachial, joining the fourth rather far from the border. Subanal joining the anal at some distance from the border.

Proctacanthus heros, Wied.

Group 2.

Fæm. Corpus sat gracile. Caput subitus pilosum. Facies apud epistoma subconvexa. Mystax setis plurimis. Proboscis valida, lanceolata. Antennarum articulus 3us longiconicus, lo non longior; arista 3o multo longior. Thoracis latera parce setosa. Abdomen ob lanceolatum, fere nudum, alas longe superans, thorace triplo longius. Pedes validi, breviter spinosi, non pilosi.

Wings rather short. Cubital vein forked at beyond half its length; fore fork forming an obtuse angle at its base, nearly straight from thence to its tips; hind fork slightly curved, approaching the fore fork at each end. First, second and third externo-medial veins nearly straight; third forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal on the border.

Proctacanthus brevipennis, Wied.

1. PROCTACANTHUS LONGUS.

Fuscanus; *abdomen cinerascens*; *pedes subbadii*; *ala flavida*.
Asilus longus, Wied. *Dipt. Exot.* i. 183, 1; *Auss. Zweifl.* i. 426, 3.
Proctacanthus longus, Macq. *Dipt. Exot.* i. 2, 123, 6.

Georgia. Brazil.

2. PROCTACANTHUS MILBERTII.

lubidus; thorax nigro trivittatus; abdominis segmenta limbo postico fuscano; pedes castanei; alæ fusco-flavæ.
stacanthus Milbertii, Macq. Dipt. Exot. i. 2, 124, 8.
th America.

3. PROCTACANTHUS HEROS.

las. Rubido-fuscus; mystax flavescens; antennæ ferruginea, articulo 3o nigro-fusco; thorax quadri-vittatus; abdomen fulvo hirtum, basi utrinque nigro hirtum; pedes ferruginosi; alæ flavescentes.
us heros, Wied.
tucky.

4. PROCTACANTHUS NIGRIVENTRIS.

las. Rubidus; thorax nigro vittatus; abdomen nigrum incisuræ albidis; pedes castanei; alæ subfuscæ.
stacanthus nigriventris, Macq. Dipt. Exot. i. 2, 124, 9.
adelphia and Carolina.

5. PROCTACANTHUS BREVIPENNIS.

las. et Fœm. Cinereus, certo situ rubens; antennæ nigrae; mystax albidus, setis nonnullis nigris; thorax vitta media latissima nigra; pedes subbadii, femoribus antice nigris; alæ subflavescentes, breves.
us brevipennis, Wied. Auss. Zweifl. i. 431, 10.
tucky.

6. PROCTACANTHUS PHILADELPHICUS.

igra; thorax fuscus vittatus; abdominis segmenta ultima cinerea; pedes testacei, femoribus subtus nigris; alæ fuscae.
stacanthus Philadelphicus, Macq. Dipt. Exot. i. 2, 123, 7.
adelphia.

West Indies.

7. PROCTACANTHUS RUFIVENTRIS.

Castaneus; *thorax nigro trivittatus*; *abdomen rubidus*, *basigrum*; *pedes testacei, tarsis posticis nigris*; *alæ fuscovenae*.
Proctacanthus rufiventris, Macq. Dipt. Exot. i. 2, 123, 5, pl. 10, f. 2.

St. Domingo. Honduras.

South America.

A. Thorax niger.

A. Abdomen nigrum apice album. - - - barbatus, Fab.
 B. Abdomen fulvum. - - - Antidomus, Wal.

B. Thorax cinereus.

A. Abdomen rufum. - - - Coprates, Wal.

B. Abdomen cinereum. - - - rubricornis, Macq.

A. Antennæ testaceæ. - - - mystaceus, Macq.

B. Antennæ nigrae. - - - macrotelus, Wal.

C. Thorax cinereus, vittis ferruginea.

vittis ferruginea. - - - vetustus, Wal.

D. Thorax canus.

E. Thorax pallidus, vittis nigrae.

A. Abdomen plus minusve nigrum. - - - aurolineatus, Macq.

A. Alæ fuscaneæ. - - - flavipennis, Macq.

B. Alæ flavæ. - - -

B. Abdomen totum pallidum.

A. Abdomen fulvum. Alæ subfulvae. - - - Daraps, Wal.

B. Abdomen fuscum. Alæ fuscae. - - - Hagni, Wal.

F. Thorax ferrugineus, vittis tribus pallidioribus.

basifascia, Wal.

Group I.

Mas. Corpus magnum, dense pubescens. Caput subtus densissime pilosum. Facies parum convexa. Mystax parce setosa, antenæ attingens. Proboscis crassa. Antennarum articulus im 2o plus duplo longior; 3us lanceolatus, lo æqualis; arista lo fat duplo longior. Thoracis latera parce setosa. Scutellum et abdomen basi dense pilosa. Abdomen alæ vix superans. Sexualia magna. Pedes validi, setosi, dense pubescentes.

Radial vein as usual. Cubital forked at half its length; both very slightly curved, nearly parallel to each other, near together for one-fourth of the length from the base, more remote from thence to the tips; first extero-medial vein curved near the base; second

ight; third curved, forming a slightly obtuse angle with the brachial, joining the fourth rather far from the border. Subanai ing the anal rather far from the border.

Etacanthus Antidomus, Walk.

Group 2.

Mas. Corpus magnum, parum pubescens. Caput subtus dense pilosum. Facies parum convexa. Mystax densissime pilosus et pilosus, antenuas attingens. Proboscis crassa, lanceolata, arcuata. Thoracis latera et scutellum raro setosa. Abdomen inceolatum, alas non superans. Sexualia parva. Pedes robusti, torsi, pubescentes.

Radial vein as usual. Cubital vein forked at beyond half its length; fore fork nearly straight, curved at its base; hind fork curved, approaching the fore fork towards each end. First and second externo-medial veins straight; third very slightly curved, forming a slightly obtuse angle with the prebrachial, joining the fourth far from the border. Subanal joining the anal far from the border.

Etacanthus rufiventris, Macq.; P. Coprates, Walk.

Group 3.

Fem. Corpus magnum, gracile, tomentosum. Caput subtus teste pilosum. Facies plana. Mystax vix dense setosus. Proboscis crassa, lanceolata, recta. Antennarum articulus Ius 2u longior, 3us longiconicus compressus, lo multo brevior; arista articulo plus duplo longior. Thorax setis nonnullis lateralibus et posticis. Abdomen oblanceolatum, thorace plus duplo longius, alas longe trans, basim versus pilosum; dimidium fere apicale cylindricum, non nitens. Pedes sat graciles, parce spinosi, vix hirti.

Cubital vein forked at a little before half its length; fore fork nearly straight; hind fork curved. First externo-medial vein slightly curved near its base; second straight; third curved, forming obtuse angle with the prebrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Etacanthus macrotelus, Walk.; P. basifascia, Walk.

Group 4.

Fem. Corpus magnum. Caput subtus densissime pilosum. Facies convexa. Mystax densissime hirtus. Proboscis valida, arcuata. Thorax tomentosus, parce hirtus, setis paucis lateralibus posticis. Pectus et abdomen basi pilosa. Abdomen oblanceolata.

tuni, thorace multo longius, alas non superans. Pedes robusti, spinosi.

Cubital vein forked at rather before half its length; fore almost straight; hind fork curved; first externo-medial slig curved at its base; second straight; third curved, forming a slig obtuse angle with the *præbrachial*, joining the fourth far from border. Subanal joining the anal near the border.

Proctacanthus vetustus, Walk.

Group 5.

Characters like those of *Proctacanthus heros*.

Proctacanthus Daraps, Walk.; P. Hagno, Walk.

8. PROCTACANTHUS BARBATUS.

Niger; *mystax flavido albus*, *supra niger*; *barba alba*; *th rubro vittatus*; *abdomen apice album*; *pedes castaneo fitiis posticis albidis*; *alæ flavescentes*.

Asilus barbatus, Fabr. Ent. Syst. iv. 379, 12; Syst. Antl. 151
Wied. Dipt. Exot. i. 187, 9; Auss. Zweifl. i. 439, 22.

Proctacanthus barbatus, Macq. Dipt. Exot. i. 2, 122, 4.

Brazil. Guiana. Cayenne.

9. PROCTACANTHUS ANTIDOMUS.

Asilus Antidomus, Cat. of Diptera, Pt. 2, 408.

Brazil.

10. PROCTACANTHUS COPRATES.

Asilus Coprates, Cat. of Diptera, Pt. 2, 409.

Brazil.

11. PROCTACANTHUS RUBRICORNIS.

Cinereus; *antennæ testacea*; *pedes subbadii*; *alæ flavo-fusca*.
Proctacanthus rubricornis, Macq. Dipt. Exot. i. 2, 122, 3.

Brazil.

12. PROCTACANTHUS MYSTACEUS.

Fœm. *Cinereus*; *mystax albido*; *antennæ pedesque nigri thorax vittis fuscis*; *abdomen opice nigrum*; *tibiae testacea rufescente cinereæ*.

Proctacanthus mystaceus, Macq. Dipt. Exot. Suppl. 1, 86, 11, p. f. 10.

New Grenada.

13. PROCTACANTHUS MACROTELUS.

♂em. *Cinereus*; caput albidum, subtus albo pilosum; thorax vittis duabus dorsalibus interlineatis maculisque sex laterali- bus obliquis ferruginosis; abdominis dimidium fere apicale rufum nitidum; pedes rufi, femoribus posticis nigris; alæ subhyalinae.

lus macrotelus, Walk.

mite.

14. PROCTACANTHUS VETUSTUS.

♂em. *Canus*; caput subtus, pectus et abdomen basi densissime albo pilosa; antennæ, abdomen et pedes nigra; abdominis segmenta 4um, 5um et 6um apexque subtus rufa; alæ limpide.

lus vetustus, Walk.

mite.

15. PROCTACANTHUS AUROLINEATUS.

♂as. *Niger*; thorax flavus, vittis nigris; alæ fuscaæ.

ctacanthus aurolineatus, Macq. Dipt. Exot. Suppl. 1, 86, 12, pl. 8, f. 9.

✓ Grenada.

16. PROCTACANTHUS FLAVIPENNIS.

♂as. *Testaceus*; mystax flavidus; thorax vittis nigris; abdomen basi nigricans; pedes testacei; alæ flavæ.

ctacanthus flavipennis, Macq. Dipt. Exot. Suppl. 1, 85, 10.

ombia.

17. PROCTACANTHUS DARAPS.

lus Daraps, Cat. of Diptera, Pt. 2, 416.

sil.

18. PROCTACANTHUS HAGNO.

lus Hagno, Cat. of Diptera, Pt. 2, 417.

sil.

19. PROCTACANTHUS BASIFASCIA.

Mas. et fœm. *Ferrugineus*; *caput testaceum, mystax barbae concoloribus; antenæ piceæ; thorax vittis tribus pallidis; abdomen cervinum, basi nigro fasciatum, apice rufo badius; pedes rufo badius; alæ subcinereæ, fusco subnebulosæ.* *Fem.—Abdominis latera nigro vittata.*

Ferruginous. Head testaceous. Mystax and beard whitish testaceous, the former ascending to the antennæ. Antennæ piceous. Thorax with three slender dull testaceous stripes. Abdomen fuscous colour, with testaceous hairs towards the base, which has a blackish band; tip dark red. Legs dark red, with black spines and claws. *Fem.*—Abdomen with a blackish stripe along each side. Length of the body 7—10 lines; of the wings 14—16 lines.

a, b. Santarem, Brazil. From Mr. Bates' collection.

Arabia.

20. PROCTACANTHUS NIVEUS.

Albo pubescens; alæ albae.

Proctacanthus niveus, Macq. Dipt. Exot. i. 2, 121, 1.

Arabia.

Australia.

A. *Abdomen cyaneo-nigrum.* — — — Durvillei, Macq.

B. *Abdomen cinereum, apicem versus nigrum, subtus fulvum posticus, Walk.*

Group 1.

Fœm. Corpus parvum. Caput subtus pilosum. Mystax and dense pilosus. Proboscis robusta, sublinearis. Antennarum articulus 1us 2o longior; 3us lanceolatus, lo multo longior; arista crassa, brevissima.

P. Posticus, Walk.

21. PROCTACANTHUS DURVILLEI.

Fœm. *Ater; thorax flavido pubescens, nigro trivittatus; abdomen cyaneo-nigrum; tibiae testaceæ.*

Proctacanthus Durvillei, Macq. Dipt. Exot. i. 2, 121, 2.

New Holland.

22. PROCTACANTHUS POSTICUS.

œm. Cinereus; caput subtus albidum alboque pilosum; mystax pallide testaceus; antennæ nigrae; thorax nigro obsolete trivittatus; abdomen segmentis 5o et 6o supra nigris subtus fulvis, apice rufo; pedes fulvi, nigro vittati; alæ cinereo marginatae.

Fem. Cinereous. Head whitish and clothed with white hairs beneath. Mystax pale testaceous. Antennæ black. Thorax with indistinct parallel blackish stripes. Pectus with a testaceous spot on each side. Abdomen oblate, more than twice the length of the thorax, extending very much beyond the wings, reddish beneath and at the tip; fifth and sixth segments black above, yellow beneath. Legs tawny, with whitish down and spines; femora and tibiae with black stripes on the outer side; tarsi piceous. Wings hyaline; disks nearly limpid. Halteres testaceous. Length of the body 5½ lines; of the wings 6 lines.

Melbourne, Australia. From Mr. Baly's collection.

Country unknown.

*Femora supra nigra. - - - - - Icadius, Walk.
Femora postica nigra. - - - - - Ogulinus, Walk.*

Group 1.

Anteunarum arista articulo 3o non longior.

Characters like those of *Proctacanthus heros*, but with the arista longer than the third joint of the antennæ.

23. PROCTACANTHUS ICADIUS.

Ilus Icadius, Cat. of Diptera, Pt. 2, 421.

24. PROCTACANTHUS OGULINUS.

*Ilus Ogulinus, Cat. of Diptera, Pt. 2, 421.
Proctacanthus Icadius. Var.?*

Genus 7. ASILUS.

Corpus maximum, magnum, aut mediocre, elongatum, hirsutum, non dilatatum, nec ciliatum, color sappissime niger, hirsutie cinerea, nonnunquam luteum, aut metallicum. Proboscis clavata, lanceolata. Antennæ arista elongata. Tibiae spinosæ;

tarsi non incrassati; onychia conspicua. Alarum vena radialis subcostali ad apicem convexa; vena cubitalis furca antica simplex.
Mas.—Sexualia mediocria aut parva, cauda forcicata cornea. *Fem.*
 —Abdomen stylis duabus apicalibus corneis acuminatis.

Asilus p., *Linn.*; *Deg.*, *Fabr.*; *Gmel.*; *Schr.*; *Latr.*; *Meig.*; *Fall.*; *Wied.*; *Zett.*

Asilus et Lophonotus, *Macq.*

Asilus, *Loew*; *Zell.*

Europe and Asia Minor.

SYNOPSIS OF THE EUROPEAN GROUPS.

A. *Fam.* Oviductus compressus.

A. Thorax usque ad marginem anticum setosus. 1. *Lophonotus*.

B. Thorax usque ad medium setosus.

 A. Lamellæ anales ovatae, contractæ. - - - 2. *Eutolmus*.

 B. Lamellæ anales fere stylatae, non contractæ.

 a. *Mas.* Abdominis segmentum 8um margine postico dilatata.

 3. *Machimus*.

 b. *Mas.* Abdominis segmentum 8um margine postico non dilatato.

 i. Pedes flavescentes, nitidi. - - - 4. *Mochtherus*.

 ii. Pedes nigri aut pallidi, obscuri.

 * Abdominis latera nigra, nitidissima.

 5. *Stilpnogaster*.

 ** Abdominis latera non nigro nitida.

 † Corpus flavidо-cinereum, aut cano-cinereum.

 Pedes fulvo strigati aut cineti, obscuri, in *A. arthritico* nigro-cinerei, unicolores.

 6. *Epitriptus*.

 †† Corpus plus minusve nigro cinereum. Pedes nigri; tibiæ plerumque fulvæ.

 ‡ *Mas.* Sexualia incrassata, clavata. 7. *Itamus*.

 ‡‡ *Mas.* Sexualia non incrassata clavata.

 § *Mas.* Sexualia supra conspecta plus minusve acuminata. - - - 8. *Tolmerus*.

 §§ *Mas.* Sexualia plus minusve obtusa.

 9. *Cerdistus*.

B. *Fam.* Oviductus non compressus.

A. Abdominis incisuræ setis nullis.

 A. Barba tenuiter pilosa. - - - 10. *Antiphrisson*.

 B. Barba plerumque rude pilosa.

 a. Abdomen pilis longis vagis. - - - 11. *Pamponerus*.

- b. Abdomen tenuiter pilosum.*
 - i. *Corpus magnum, pilosum, nigro varium.* 12. *Asilus.*
 - ii. *Corpus parvum, nigro-cinereum.* - 13. *Rhadiurgus.*
- c. Abdominis incisuræ setosæ.*
 - a. Metatarsi anteriores breves.* - - 14. *Echthistus.*
 - b. Metatarsi anteriores sat longi.*
 - a. Fæm. Sexualia incrassata clavata.* - 15. *Antipalus.*
 - b. Fæm. Sexualia obconica, apice spinosa.* 16. *Philonicus.*

Section I.

Group I. LOPHONOTUS.

Fæm. Sexualia compressa.

Oviduct compressed.

Corpus mediocre, obscure cinereum, setosum, mediæ magnitudinis. Mystax longus, densus. Thorax setoso cristatus. Abdomen natum, incisuræ setosis. Mas.—Abdominis segmentum 8um tuis dilatatum.

us, p.

honotus, Macq.

us Lophonotus, Loew, Linn. Ent. iii. 423.

Div. I.

Thoracis crista dense hirta.

1. ASILUS CRISTATUS.

Nigricans; facies et barba alba; mystax albo-nigroque varius; thorax setis nigris cristatus, albo lineatus; abdomen carinatum; pedes nigri; alæ limpidae; halteres fulvi.

Ius cristatus, Meig.; Hoffm.; Zweifl. ii. 322, 24.

tugal.

Div. II.

Thoracis crista parce hirta.

Sub-div. I.

Mystax antennas non attingens. Antennarum articulus 3us ciliis, linearis. Metatarsi antici et intermedii sat breves. Fæm. Oviductus longus, tenuis, acuminatus.

2. ASILUS PUNCTIPENNIS.

Cinereus; facies et barba albæ; mystax albo-nigroque varius; thorax vitta fusca gemina; abdomen carinatum, maculæ furcis micantibus; alæ hyalinæ, venis transversis apiceque infuscatis; halteres fusi.

Asilus punctipennis, Hoffm.; Meig.

Middle Europe. Italy.

3. ASILUS TENUICORNIS.

Niger; mystax niger; thorax pilis longioribus nigris brevioribus albidis; abdomen superius pallide, inferius nigro pilosum; alæ limpidæ.

Asilus tenuicornis, Loew, Linn. Ent. iii. 426, 3.

Chios. Ephesus.

4. ASILUS NUBECULA.

Niger; mystax niger; thorax nigro pilosus; abdomen cinereus; alæ limpidæ, tantum apice pallide sed distincte infumata.

Asilus nubecula, Loew, Linn. Ent. iii. 428, 4.

Smyrna.

Sub-div. II.

Mystax antennas attingens, supra rarius. Antennarum articulus 3us mediocriter latus. Metatarsi antici et intermedii sat longi. Fœm.—Oviductus trigonus, vix elongatus.

I. Femora antica subtus calcarata, necnon setis solitis armata.

5. ASILUS SETIGER.

*Niger; mystax supra niger, subtus albo flavescentia; thorax nigro hirtus; abdomen albo flavescente pilosum et setosum; genae distincte rufescens; femora antica subtus setis minus validis armata; alæ limpidæ, apice marginaque postico cinerascentes. Mas.—*Forceps analis* apice obtusatus. Fœm.—*Oviductus angustus, basi minus compressus.**

Asilus setiger, Loew, Linn. Ent. iii. 431, 5.

Smyrna. Ephesus.

6. ASILUS SPINIGER.

iger ; mystax supra niger, subtus albo flavescens ; thorax nigro hirtus ; abdomen albo flavescente pilosum et setosum ; femora antica subtus setis validissimis armata ; alæ fusco-cinereæ, basi et antice flavo tinctæ. Mas.—Forceps analis apice acuminatus. Fœm.—Oviductus latus valde compressus.

is spiniger, Zeller, Isis, 1840, 70, 21. Loew, Linn. Ent. iii. 433, 6.

is fuscipennis ? Meig. Zweifl. ii. 337, 50.

II. Femora antica subtus pilosa, non calcarata.

7. ASILUS FURCIPULA.

ystax supra niger, subtus albo flavescens ; thorax vittatus, nigro hirtus ; abdomen nigro-cinereum, incisuris pallide cinereis ; pedes omnino nigri ; alæ fuscaneæ. Mas.—Forceps analis magnus, acutus, simplex, apice valde productus, nigro pilosus. Fœm.—Oviductus latus, subtrigonous, inferius nigro pilosus.

is furcipula, Loew, Linn. Ent. iii. 443, 9, 51, 8. Zeller, Isis, 1840, 68, 20.

is mixtus, Loew, Isis, 1840, 443, 9, 548.

In South and Middle Europe.

8. ASILUS TRIGONUS.

inerascens ; facies et barba albæ ; mystax albo-nigroque varius ; thorax vittis fuscis confluentibus, media lata ; abdomen carinatum, incisuris albis, maculis dorsalibus trigonis fuscis, setis ante incisuras perlongis ; alæ subfuscantes, apice non infuscatae ; halteres sordide flavi. Mas.—Forceps analis valde minutus, simplex. Fœm.—Oviductus latissimus, margine superiore concavo, inferiore convexo.

is trigonus, Meig.

In South and Middle Europe.

9. ASILUS TRICUSPIS.

ilus trigono affinis ; abdomen maculis obscuris subtrigonis setisque ante incisuras longis ; alæ apice infuscatae. Mas.—Forceps analis magnus, obtusatus, apice tricuspis. Fœm.—Oviductus latus, subtrigonous, inferius albido pilosus.

Asilus tricuspidis, *Loew, Linn. Ent.* iii. 446, 9.

Asia Minor and the Isles of Greece.

10. ASILUS BASALIS.

Fœm. *Cinereo-fuscus*; *mystax magnus*, *pilis nigris flavidisque varius*; *tibiae a basi ad quartam usque partem rufo-testaceas*, *alæ subcinereæ*, *apice marginaque postico obscuriores*; *oviductus latus subtrigonus*, *subtus flavido pilosus*, *lamellis apicibus acute mucronulatis*.

Asilus basalis, *Loew, Linn. Ent.* iii. 450, 10.

Switzerland.

11. ASILUS BIFURCUS.

Cinereo-fuscus; *mystax nigro-flavidoque varius*, *vix usque ad medianum faciei partem productus*; *thorax parce pilosus*; *tibiae basi distincte rufæ*, *intermedia extus longitudinaliter testaceas*, *alæ subcinereæ*, *apice marginaque postico paullo obscuriores*.
Mas.—*Forceps analis permagnus*, *apice bidentatus*, *dentis superiore majore resupinato*. Fœm.—*Oviductus latissimus obtusus*, *lamina inferiore latissima apice rotundata*.

Asilus bifurcus, *Loew*.

Austria. Hungary. Upper Italy.

12. ASILUS APICULATUS.

Cinereus; *mystax setis nigris albidisque varius*, *paullo ultra medianum faciei partem extenso*; *tibiae omnes basi angustae rufæ*; *alæ limpide*, *apice marginaque postico subcinereæ*.
Mas.—*Forceps analis magnus*, *obtusatus*, *margine apicibus reflexo subapiculatus*. Fœm.—*Oviductus subtrigonus*, *inferius ad basim pallide pilosus*.

Asilus apiculatus, *Loew, Linn. Ent.* iii. 457, 12.

Mermeriza, Valley of the Xanthus. Asia Minor.

Group 2. EUTOLMUS.

Corpus obscure cinereum, statura mediocri. *Mystax densa*. Thoracis vitta intermedia dimidio postico tantum setoso. Pedes obscuri, femora plerumque rufescens. Mas.—Sexualia parva, non tumida, nec compressa; forceps analis simper simplex,

sura tantum apud marginem posticum parva plus minusve semi-
ulari. *Fam.*—Oviductus latiusculus, non perlongus; lamellæ
les aut ellipticæ, non elongatæ, nec stylatae.

olmus, Loew, Linn. Ent. iii.

Div. I.

Femora antica subtus non spinosa.

13. ASILUS RUFIBARBIS.

Flavo-cinereus; facies albido; mystax supra niger, subtus ferrugineus; barba ferruginea; thorax nigro pilosus, vittis fuscis; abdomen fuscum, incisuris pallidis; pedes nigricantes, pilis minutis adpresso fere omnibus pallidis; alæ apice posticique fuscescentes; halteres fulvi. *Mas.*—*Abdominis segmentum sum margine inferiore in appendicem sat longam productio.*
Fam.—*Oviductus latissimus, apice oblique truncatus.*

*us rufibarbis, Meig. Zweifl. ii. 311, 6. Macq. Dipt. Nord.
Ariil. 29, 3. Loew, Iris, 1840, 541, 7; Linn. Ent. iii. 460, 13.
lus melampodium, Zeller, Iris, 1840, 67, 19. Zett. Dipt. Scand.
i. 173, 8.*

th and Middle Europe.

14. ASILUS APICATUS.

*Mas. Cinereus; mystax fere totus niger, inferius parum fla-
vido pilosus; pedes atri, pilis minutis adpresso fere omnibus
nigris; alæ limpidae, apice fusco-cinereæ; margo inferior
segmenti abdominalis octavi perparum dilatatus, ciliato
pilosus.*

lus apicatus, Loew, Linn. Ent. iii. 464, 14.

tzerland, Tyrol.

15. ASILUS FACIALIS.

*'œm. Cinereus; mystax flavidus, unicolor; genæ longe descen-
dentes; pedes nigri; alæ hyalinae, subfuscantes, apice ob-
scurores; oviductus latus, apice oblique truncatus.*

lus facialis, Loew, Linn. Ent. iii. 467, 15.

esus.

16. ASILUS PICTIPES.

Mas. *Cinereus*; *mystax supra niger, subtus albidus*; *pede*
femorum annulo apicali, tibiurum omnium basali, inter
rum antecorunque altero subapicali, maximaque metatu
parte rufis; *ala* *limpidae*, *apice margineque postico*
cinerea; *margo segmenti octavi inferior non dilatatu*
ceps analis minutus subacutus, obscure pilosus, et
posteriore leviter exciso.

Asilus pictipes, Loew, Linn. Ent. iii. 470, 16.

Middle Germany.

17. ASILUS CALOPUS.

Cinereus; *mystax nigro-flavoque varius*; *pedes nigri*;
melleae, apice abrupte nigra; *ala* *limpidae*, *apice marg*
postico obscurae. Mas.—*Margo segmenti abdominalis*
ferior dilatatus, ciliatus; *forceps mediocris, subacutus, i*
nigro pilosus. Fœm.—*Oviductus latus, apice oblique retus,*
lamellis apicalibus rotum dato ovatis, obtusis.

Asilus calopus, Loew, Linn. Ent. iii. 474, 17.

Makri. Patara. Rhodes.

18. ASILUS PERISCELIS.

Fœm. *Cinereus*; *mystax parum setosus, ab antennis remotius*
pedes nigri, tibiis basi anguste sed distincte rufis; *ala*
pidæ, apice striato obscuriores; *oviductus breviter tri-*
lamellis apicalibus oblongo ovatis, apice obtusiusculis.

Asilus periscelis, Loew, Linn. Ent. iii. 478, 18.

Morkan, Asia Minor.

Div. II.

Femora antica subtus spinosa.

19. ASILUS POLYPOGON.

Mas. *Cinereus*; *mystax densissimus, antennis subcont*
pedes nigri; *tibiis basi late et distinctissime rufescen*
femoribus anticis subtus setis nigris minus validis; *ala*
pidæ, apice subcinerea; *forceps analis parvus, apice rot*
tus, margine posteriore profunde exciso.

Asilus polypogon, Loew, Linn. Ent. iii. 480, 19.

Ephesus.

20. ASILUS EXCISUS.

Cinereus; *facies satis angusta*; *mystax densus*, ob *antennas remotiusculus*; *pedes nigri*; *tibiæ basi utrinque extus longitudinaliter rufæ*; *alæ subfuscæ hyalinæ*, apud *venas obscuriores*; *forceps analis magnus*, *latus*, *validus*, *apice valde obtusatus*, *margine posteriore superius exciso*.

us excisus, Loew, Linn. Ent. iii. 483, 20.

esus.

21. ASILUS MORDAX.

Cinereus; *mystax flavidus*, *extus et superius parum niger*; *abdomen maculis nigris maximis in mare subquadratis*, in *semina fere semicircularibus*; *pedes nigri*, *tibiæ basi rufis*; *alæ limpidæ*, *striis subcinereis*. *Mas.*—*Forceps analis parvus simplex*, *apice subrotundatus*, *margine posteriore brevissimo simplice*. *Fœm.*—*Oviductus latus apice oblique truncatus*, *lamellis terminalibus latis*, *apice subacutis*.

us mordax, Loew, Linn. Ent. iii. 485, 21.

des.

22. ASILUS PARRICIDA.

Cinereus; *mystax flavidus*, *extus parvo nigro pilosus*; *abdomen flavidum*, *incisuris albidioribus*; *pedes castanei*, *interdum fere cervini*, *femoribus tibiisque anterius et inferius nigris*; *alæ limpidæ*, *apice margineque postico fuscescentes*. *Mas.*—*Forceps analis vix mediocris*, *simplex*, *apice subacutus*, *margine posteriore simplice rotundato*. *Fœm.*—*Oviductus latus*, *apice oblique subtruncatus*, *lamellis terminalibus latis*, *apice subacutis*.

us parricida, Loew, Linn. Ent. iii. 490, 22.

ara.

Group 3. MACHIMUS.

Corpus nigro-cinereum aut fusco-cinereum, statura mediocre minori. Facies lata. Pedes sèpissime validi; femora plus usque incrassata, antica pilosa. *Mas.*—Sexualia nitida, medio-, non compressa nec tumida, forcipe plerumque simplici. *Fœm.*—Oviductus acuminatus, trigonus, plerumque productus, nonnum-
eniformis, lamellis porrectis longiusculis fere stylatis.

The species of this group are distinguished from those of *Eutolmus* by the distinct prominent almost style-shaped lamellæ on the end of the pointed ovipositor of the female, which it has in common with the species of all the following groups of the first principal division; from these last it is distinguished by the distinct widening and by the edge tip-like lengthening of the under hind border of the eighth abdominal segment of the male. The species are of black-gray or of brown-gray colour, of large or of middle size. The legs are more or less stout, the femora are more or less thickened, the anterior are marked by their more or less long and thick hairs. The legs are generally black; the tibiæ are red, the few femora are mostly without spines beneath. The face is broad. The sexual parts of the male are shining black in all the species; of middle size, not compressed nor enlarged; the forceps are simple in most species. The ovipositor has in all the species a triangular tip, in some it is sabre-shaped, in most it is somewhat straight, but in none has it a linear figure. Most of these characters are modified in some of the species.

Div. I.

Mas. Abdominis segmentum 8um subtus in mucronem productum.

The under border of the eighth abdominal segment of the male lengthened into an edge, or with a tufted and fringe-like clothing, which has the appearance of an edge.

Subdiv. I.

Mas. et fæm. Femora antica subtus setosa.

23. ASILUS CIBRATUS.

Obscure cinereus; mystax albus; pedes nigri, femoribus tibiis longitudinaliter piceo striatis; aæ limpidae venis ferrugineis apice margineque postico subcinereis venis obscurioribus.
Mas.—*Forceps analis margine posteriore profunde eximis.*
Fæm.—*Oviductus longus, acutus, basi minus compressus.*

Asilus cibratus, Loew, Linn. Ent. iv. 3, 23.

Sicily.

Subdiv. II.

Femora antica maris inermia, fæm. subtus setosa.

24. ASILUS CHRYSITIS.

turulans; *facies albida*; *mystax supra niger, subtus albida*; *barba albida*; *thorax vittis et abdomen maculis dorsalibus fuscis*; *pedes ferruginei, femoribus nigricantibus superius et apice ferrugineis*; *ala fuscescentes; halteres flavi*.

lus chrysitis, Hoffm.; Meig., Macq. Hist. Nat. Dipt. i. 304, 4.
Loew, Linn. Ent. iv. 7, 24.

lus femoralis, Zeller, Isis, 1840, 49, 3.
th France. Portugal. Albania, &c.

25. ASILUS FORTIS.

Obscurus cinereus; *mystax densus, magnus, niger fulvusque*; *pedes nigri, tibiis omnibus basi anterioribus et extus rufescensibus*; *ala limpida, apice marginaque postico cinereis*. Mas.—*Penis dente intermedio lateralibus validiore et longiore*.

lus fortis, Loew, Linn. Ent. iv. 12, 25.

y. Sicily.

26. ASILUS BASALIS.

Ias. *Obscurus cinereus*; *mystax magnus, fulvus, setis nonnullis nigris*; *penis dente intermedio tenui, lateralibus breviore*; *pedes nigri, tibiis basi tantum rufis*; *ala limpida, apice marginaque postico subcinereis*.

lus basalis, Loew, Linn. Ent. iv. 16, 26.

Magary.

Subdiv. III.

Mas. et fœm. Femora antica setis subtus nullis.

27. ASILUS COLUMBRINUS.

ubcinereus; *facies et mystax flavo-albida*; *barba alba*; *thorax nigro vittatus, stria humerali valde abbreviata*; *abdomen tessellatum*; *pedes nigri, setis nigris, tibiis basi anguste rufescensibus*; *ala subflavescentes, apice cinereæ*. Mas.—*Abdominis segmentum 8um margine inferiore valde dilatato, in laciniam distinctam vix producto*.

lus columbrinus, Hoffm.; Meig. Zweifl. ii. 335, 46. Loew, Linn. Ent. iv. 19, 27.

Asilus pilipes? Meig. Zweifl. ii. 320, 21, mas.
Asilus fimbriatus? Meig. Zweifl. ii. 320, 20, fœm.

South Europe.

a, b. England? From Mr. Stephens' collection.
 c. Italy? From Dr. Leach's collection.

28. ASILUS GONATISTES.

Mas. et fœm. *Thoracis stria humeralis subintegra; pedes nigri, setae nigris, tibias basi anguste rufescensibus; alæ limpidae, apice marginaque postico subcinereis.* Mas.—*Segmenti abdominalis 8i margo inferior in laciniam satis longam productus.*

Asilus gonatistes, Zeller, Isis, 1840, 65, 17. Loew, Linn. Ent. ii. 24, 28.

Asilus obscurus? Meig. Zweifl. ii. 315, 12.

Cinereus; facies albida; mystax pallidus, supra parum niger; barba flavicans; thorax fuscus vittatus; abdomen maculatus dorsalibus fuscis; pedes nigricantes; alæ subcinereas; halteres flavi.

South Europe.*

29. ASILUS RUSTICUS.

Flavo-cinereus; facies, mystax et barba pallida; facies satis latu; thoracis pedumque setæ fere omnes flavescentes; thorax fuscus vittatus, postice flavo pilosus; abdomen fuscum, incisuris pallidis; pedes nigro-cinerei; alæ et halteres fuscescentes.

Asilus rusticus, Meig. Zweifl. ii. 311, 7. Loew, Linn. Ent. iv. 27, 29.

Asilus genualis, Zeller, Isis, 1840, 62, 15.

South Europe. Italy. (Verona.)

30. ASILUS ATRICAPILLUS.

Cinereus; facies angusta alba; mystax niger; barba cinereo-alba; thorax vitta nigra; abdomen nigricans, incisuris albis; pedes nigri, femoribus tibiisque longitudinaliter fulvo striatis; de apice posticeque cinereo-fuscescentes; halteres fuscescentes.

Mas. *Margo inferior segmenti abdominalis 8i in laciniam apicem arcuatim vel subarcuatim excisam productus.*

Asilus atricapillus, Fall. Dipt. Asil. 10, 5; Meig. Zweifl. ii. 327, 31; Zett. Ins. Lapp. 506, 3. Dipt. Scand. i. 168, 4. Loew, Linn. Ent. iv. 31, 30.

Asilus opacus, Gürtl.; Meig.; Macq. Dipt. i. 304, 6.

Cinereus; facies et barba alba; mystax niger; thorax nigro vittatus; abdomen fusco micans, incisuris cinereis; pedes anteriores rufescentes, postici nigro-picei; alae subcinereæ; halteres albo-fuscantes.

b. England? From Mr. Stephens' collection.

Asilus calceatus, Megerle; Meig. Zweifl. ii. 316, 14.

Rufo-cinereus; facies albida; mystax supra niger, subtus fulvus; barba fulva; thorax fusco vittatus; abdomen fusco micans, incisuris pallidis; pedes ferruginei, femoribus fuscis; alae subcinereæ; halteres fulvi.

—? From Mr. Children's collection.

Asilus bicornis, Zeller, Isis, 1840, 56, 10.

Asilus subulatus, Loew, Isis, 1840, 12, 548.

Asilus rufimanus? Megerle; Meig. Zweifl. ii. 339, 53.

Cinereus; facies et barba albida; mystax supra niger, subtus parum albido; thorax nigro vittatus, vitta intermedia duplicata; abdomen nigrum, incisuris albis; pedes testacei, femoribus nigris; alae subcinereæ; halteres albidi.

Asilus plebeius? Meig. Zweifl. ii. 340, 55. Macq. Hist. Nat. Dipt. i. 306, 15.

Cinereus; facies et barba alba; mystax supra niger, subtus albus; thorax nigro vittatus, vitta intermedia gemina; abdomen nigrum, incisuris albis; pedes nigricantes; alae subcinereæ; halteres flavescentes.

b. —? From Mr. Children's collection.

Orth and South Europe.

Div. II.

Mas. Abdominis segmentum sum subtus vix dilatatum, hirsutum, mucronem non fingens.

Sub-div. I.

Tibiæ ex parte fulvæ.

31. ASILUS DASYPYGUS.

Alæ pure hyalinae, apice vix levissime infuscatae. Mas.—*Forceps validus* apice obtusus, lamellis inferioribus inferius densissime scopatis. Fem.—*Oviductus longus angustus, apice subrecurvus.*

Asilus dasypygus, Loew, Linn. Ent. iv. 39, 31.
Sicily.

32. ASILUS ELEGANS.

Subitus albido crinitus; alæ ad apicem et marginem posteriores distincte infuscatae. Mas.—*Forceps vix mediocris, lamellis inferioribus apice late truncatis.* Fœm.—*Oviductus trigonus, acutus.*

Asilus elegans, Loew, Linn. Ent. iv. 42, 32.
Makri, Asia Minor.

Sub-div. II.

Pedes toti nigri.

A. *Mystax setis mediis validissimis.*

33. ASILUS SETIBARBUS.

Frons nigro pilosa; stria thoracis intermedia antrorum distincte dilatata; femora antica albo pilosa. Mas.—*Forceps tenui, acutus.*

Asilus setibarbus, Loew, Linn. Ent. iv. 45, 33.
Rhodes and the Isles of Greece, Asia Minor.

34. ASILUS THORACICUS.

Frons albido pilosa; stria thoracis intermedia lata, antrorum vis dilatata, femora antica albo pilosa. Mas.—*Forceps sat val-
dus, ovatus, obtusiusculus.*

Asilus thoracicicus, Loew, Linn. Ent. iv. 48, 34.
Makri, Asia Minor.

35. ASILUS LUGENS.

Fœm. *Femora antica abdomenque utrinque maxima ex parte nigro pilosa.*

Asilus lugens, Loew, Linn. Ent. iv. 51, 35.

Asilus caliginosus? Meig. Zweifl. ii. 313, 10.

Cinereus; facies albida; mystax niger, subtus pallidus; barba pallida; thorax nigro vittatus; abdomen nigro micans; pedes picci; alæ limpidæ, apice subfuscantes; haltere fusi.

Verona.

36. ASILUS CYANOPUS.

Mas. Abdominis margo lateralis maculis nitentibus nullis; segmentum octavum atrum, utrinque nitidissimum; pedes nigrocyanei.

*asilus cyanopus, Loew, Linn. Ent. iv. 53, 36.
astria.*

37. ASILUS MODESTUS.

Abdominis margo lateralis serie macularum atrarum nitentium signatus. Mas.—Abdominis segmentum octavum nigrum, superius subopacum.

*asilus modestus, Loew, Linn. Ent. iv. 55, 37.
chesus and Mermeriza.*

Group 4. MOCHTHERUS.

Corpus cinereum aut cinereo-flavum, majusculum, mediocre minus. Faciei pars convexa sappissime minuta. Mystax setis uscis. Pedes fulvescentes, breviter hirti. Mas.—Sexualia sappisne incrassata, obtusa. Fem.—Oviductus valde acuminatus. ochtherus, Loew, Linn. Ent. iv. 58.

Ashy gray, yellowish gray or grayish yellow species, of rather large, middling, or small size. Legs bare, of a predominating clear or more or less reddish yellow colour, which appears and shines through the short covering of hairs. The convex part of the face is most species very small, and but thinly beset with bristles. The postor is much pointed; the sexual parts of the male are very thick and club-like, *A. castanipes* being the only exception yet known where they are small and rather pointed, but this species is by provisionally associated with the rest.

Div. I.

Femora distincte incrassata. *Mas.—Sexualia parva, subacutata.*

38. ASILUS CASTANIPES.

Flavo-cinereus; caput et mystax flavidantia; thorax vittis badiis; stria humeralis distinctissima, leviter flexuosa; abdomen fusco micans, incisuris pallidis; pedes badii; alæ fuscescentes, apice subcinerea; halteres fusi.

Asilus castanipes, *Meig. Zweift.* ii. 312, 9. *Macq. Dipt. Exot.* 2, 137, 6. *Explor. Scient. Alg.* iii. *Ins.* 440, 73. *Loew, Linn. Ent.* iv. 58, 38.

Asilus brunnipes? *Fabr. Ent. Syst.* iv. 384, 35. *Meig. Zweift.* 331, 38. *Wied. Dipt. Exot.* i. 428, 6. *Macq. Dipt.* i. 31, 19.

Dasypogon brunnipes? *Fabr. Syst. Anil.* 170, 27.

Subcinereus; thorax fusco quadriguttatus; abdomen incisus flavis; pedes badius; alæ subflavescentes, apice subcinereæ.

South Europe. Sardinia. North Africa.

Div. II.

Pedes graciles; femora non incrassata. *Mas.*—*Sexualia crassumida.*

39. ASILUS FLAVICORNIS.

Antennæ totis flavis.

Asilus flavicornis, *Ruthe, Isis*, 1831, 1217. *Loew, Linn. Ent.* i. 61, 39.

Asilus Olivierii? *Macq. Dipt. Exot.* i. 2, 136, 3.

Germany.

Mas. *Flavido-cinereus; antennæ fulvæ; abdomen fuscum, insuris albidis; pedes mellei.*

Isle of Naxos.

40. ASILUS FLAVIPES.

Fœm. *Subferrugineus; caput flavicans, thorax fusco bivittatus abdomen cinerascens, incisuris albis; pedes flavi, femorib. vitta nigra; alæ flavescentes, postice apiceque subcinereæ; lateres flavi.*

Asilus flavipes, *Megerle; Meig. Zweift.* ii. 325, 28, *Loew, Linn. Ent.* iv. 63, 40.

Austria. Hungary.

41. ASILUS MUNDUS.

Cinerascens, antennarum articulis 1us et 2us pedesque flavi.

Asilus mundus, *Loew, Linn. Ent.* iv. 65, 41.

Asilus analis? *Macq. Dipt. Exot.* i. 2, 136, 2, pl. 12, f. 4.

Isle of Rhodes.

Mas. *Pallide cinereus*; *anus crassus, rufus*; *pedes mellei*; *ala subflavescentes, apice cinereæ*.

Isle of Naxos.

42. ASILUS PALLIPES.

Cinereus; *facies, mystax et barba alba*; *thorax fusco vittatus*; *abdomen nigrum, incisuris albis*; *pedes flavi, femoribus nigro striatis*; *ala apice posticeque subcinerea*; *halteres flavi*.

Asilus pallipes, *Megerle*; *Meig. Zweifl.* ii. 327, 32. *Zeller, Isis*, 1840, 56, 9. *Loew, Linn. Ent.* iv. 67, 42.

Asilus omissus, *Meig. Zweifl.* ii. 332, 40.

Subcinereus; *facies, mystax et barba alba*; *thorax vittis obscurioribus*; *abdomen nigricans, fasciis subcinereis*; *pedes testacei, femoribus striga nigra*; *ala hyalinæ*; *halteres flavescentes*.

Asilus fulvipes, *Meig. Zweifl.* ii. 326, 30.

Schistaceus; *facies, mystax et barba alba*; *thorax vitta duplicata nigra*; *abdomen nigricans, incisuris albidis*; *pedes flavi*; *ala limpida, apice subcinerea*; *halteres flavi*.

The whole of Middle Europe.

A. — ?

43. ASILUS STRIATIPES.

Frons nigro pubescens; *pedes testacei, femoribus antice nigris*.
Mas. — *Forceps analis testaceus*.

Asilus striatipes, *Loew, Linn. Ent.* iv. 69, 43.

Sicily.

44. ASILUS ALBICANS.

Mas. *Frons antice albido pilosa*; *pedes testacei, femoribus antice nigris*; *forceps analis testaceus*.

Asilus albicans, *Loew, Linn. Ent.* iv. 72, 44.

Patara.

Group 5. CERDISTUS.

Corpus nigro-cinereum, aut fere nigrum, parvum, aut vix mediocre. Facies sat parva; pars convexa minuta. Pedes sèpis-

sime nigri. *Mas.*—*Forceps analis non acuminatus, nonnunquam fere clavatus. Fem.*—*Oviductus longissimus, acutissimus.*

Cerdistus, Loew, Linn. Ent. iv. 74, 5.

Blackish gray or almost black species of very small or hardly middle size. Colour of the legs mostly black. Forceps not pointed, almost club-like in some species. Ovipositor very long and pointed, otherwise having always the usual structure. Face rather small; convex part little.

45. ASILUS ERYTHRURUS.

Cinereus; facies et barba albæ; mystax supra niger, subtus albus; thorax nigro vittatus; abdomen nigro micans, incisuris albis; pedes nigri, tibialis testaceis apice nigris; alæ subcinctæ; halteres flavi.

Asilus erythrurus, Meig. Zweifl. ii. 337, 49. Macq. Hist. Nat. Dipt. i. 306, 12. Loew, Linn. Ent. iv. 74, 45.

Asilus tenuis, Macq. Dipt. i. 307, 16.

South France. Piedmont, Italy.

46. ASILUS DENTICULATUS.

Tibiae basi obscure fuscæ. Mas.—Forceps niger, apice testaceum dente elongato tenui.

Asilus denticulatus, Loew, Linn. Ent. iv. 77, 46.

Var. Minor. Rhodes. End of April.

Var. Major. Stanchio and Skalanova, Asia Minor. Beginning of June.

47. ASILUS MELANOPUS.

Cinereus; facies et barba albæ; mystax albus, supra parum niger; thorax nigro vittatus, vitta intermedia integra; abdomen nigrum, incisuris albis; pedes toti nigri; alæ fuscocinctæ; halteres fusco-flavi.

Asilus melanopus, Meig. Zweifl. ii. 338, 52. Loew, Linn. Ent. ii. 80, 47.

Asilus alpinus, Meig. Zweifl. ii. 336, 48. Macq. Hist. Nat. Dipt. i. 309, 28.

Swiss Alps.

mus; facies, mystax et barba alba; scutellum albidum; omen nigrum, incisuris albis; pedes nigri; alæ cinereæ, idio basali hyalinae; halteres fusi.

L.

Group 6. STILPNOGASTER.

; sat parva; pars convexa magna, valde convexa. Thorax scutulus. Abdomen omnino nigrum, nitidum.

ter, Loew, Linn. Ent. iv. 82, 6.

rather small; convex part large, very convex. Thorax shorter than in the other groups. Abdomen on both sides thick in all directions.

48. ASILUS ~~ÆMULUS~~.

; facies et barba albæ; facie pars convexa magna; mystax niger; thorax fusco vittatus, vitta intermedia gemina; omen utrinque nigrum, nitidum, incisuris punctisque duodecim ad basim albis; pedes nigri; alæ apice subcineræ; halteres flavi.

ulus, Hoffm.; Meig. Zweifl. ii. 329, 35. Loew, Linn. v. 82, 48.

ilis, Zeller, Iris, 1840, 53, 7.

ricans, Macq. Hist. Nat. Dipt. i. 309, 25.

South Europe.

Group 7. ITAMUS.

is nigro-cinereum, mediocre aut majuscum. Tibiae et tibiae fulvæ. Mas.—Sexualia lata, crassa, nigra, nitida. Oviductus semper distincte elongatus.

le or rather large-sized species, of a blackish gray colour. A few or less tawny. Male.—Sexualia broad, thick, black, Fem.—Ovipositor of conspicuous length in all the species.

Div. I.

inis segmenta 6um et 7um in oviductum comprehensa.

and seventh abdominal segments forming part of the so that the abdomen of the female appears five-jointed.

49. ASILUS AESTIVUS.

Cinereus; *facies, mystax et barba alba; thorax nigro vittatus, vitta intermedia duplicata; abdomen nigrum, incisum cinereis; pedes nigri, setis fere omnibus, nigris tibiis fulvi; alæ fere limpidae; halteres flavi.* Mas.—*Abdomen postice cyaneo micans.*

Asilus aestivus, Schrank. *Meig. Zweifl.* ii. 316, 15; *Macq. Dipt.* i. 304, 7; *Zeller, Isis*, 1840, 54, 8; *Zett. Ins. Lapp.* 505; *Dipt. Scand.* i. 167, 3.

Asilus tibialis, Fall. *Dipt. Asil.* 9, 4.

Asilus niger? *Deg. Ins.* vi. 99, 9.

Asilus cyanurus, Loew, *Linn. Ent.* iv. 84, 49.

Asilus tabidus, Wied.; *Meig. Zweifl.* ii. 332, 41.

Dilute schistaceus; *facies argentea; mystax supra niger; subitus albus; barba alba; thorax vittis tribus latis nigris; abdomen fasciis nigro-fuscis; pedes nigri; alæ hyalinae; halteres flavescentes.*

North and South Europe.

50. ASILUS COTHURNATUS.

Cinereus; *facies albida; mystax stramineus; setis paucis nigri; barba alba; thorax nigro vittatus; abdomen nigrum, incisum cinereis; pedes nigri, setis longitudine insignibus major a parte pallidis, tibiis fulvis; alæ fere limpidae; halteres flavi.*

Mas. *Abdomen postice non cyaneo micans, forcipe anali brevissimo, valde inflato.*

Asilus cothurnatus, Meig.; *Loew, Linn. Ent.* iv. 88, 50.

Middle Europe.

Div. II.

Fæm. *Abdominis segmenta 6um et 7um oviductum non integrantia.*

Fem. *Sixth and seventh abdominal segments of the usual structure not forming part of the ovipositor.*

51. ASILUS GENICULATUS.

Cinereus ; facies, mystax et barba nigra, ille parvus ; thorax nigro vittatus ; abdomen nigro micans, incisuris cinereis ; pedes nigri, tibiis metatarsisque flavis ; alæ fere limpidae ; halteres flavi.

Asilus geniculatus, Meig. ; Loew, Linn. Ent. iv. 90, 51.

South and part of North Europe.

—e. —— ?

52. ASILUS ACANTHODES.

Mystax magnus ; tibiæ basi rufo-fuscae, femora intermedia valde setosa.

Asilus acanthodes, Loew, Linn. Ent. iv. 92, 52.

Takri, Asia Minor.

Group 8. TOLMERUS.

Corpus nigro-cinereum, parvum, mediocre, aut sat magnum. Pedes parva, parte magna convexa. *Mystax* dense setosus. *Pedes* nigri ; *femora* strigis basalibus rufo-fuscis ; *tibiæ* basi rufo-fuscae. —*Sexualia* sèpissime parva, castanea aut nigra. *Fæm.*—Ovipositor variæ longitudinib.
—*Tolmerus*, Loew, Linn. Ent. iv. 94.

Blackish gray species of rather large, middle, or small size. Colour of the legs mostly black, which is very little or not at all hidden by the short hairiness. In all the species the *tibiæ* are reddish brown at the base, and the *femora* have towards the base reddish brown streaks, which are more or less indistinct, but not wanting. *Sexualia* the male small, in one species of middle size, chestnut-brown or black, but not shining black, not enlarged in any species, appearing pointed behind when viewed from above. Ovipositor pointed, either rather short or rather long, always much shorter than the three last abdominal segments together.

Div. I.

Pedes valde setosi. *Mas.*—*Sexualia* valde compressa ; forceps latus.

Sexualia of the male much compressed ; forceps rather broad. *gs* very bristly.

PART III.

3 N

53. ASILUS LONGIMANUS.

Tarsi graciles, elongati.

Asilus longimanus, Loew, Linn. Ent. iv. 95, 51.

Rhodes, and the neighbouring coast of Asia Minor.

Div. II.

Mas. Sexualia parva, non compressa; forceps angustus.
Sexualia of the male small but not compressed; forceps narrow.

54. ASILUS TESSELLATUS.

Alæ hyalinæ, apice levissime infuscatae; antennarum articulus 3us elongatus, tenuis.

Asilus tessellatus, Loew, Linn. Ent. iv. 98, 54.

Asia Minor.

55. ASILUS PÆCIOLOGASTER.

Antennarum articulus 3us brevis, arista subæquali; alæ apiciter leviter infuscatae.

Asilus pæciogaster, Loew, Linn. Ent. iv. 101, 55.

Trieste. Sicily.

56. ASILUS PYRAGRA.

Alæ ad apicem marginemque posteriorem totum distinctissime fuscatae; venter non tessellatus.

Asilus pyragra, Zeller, Isis, 1840, 60, 13. Loew, Linn. Ent. iv. 105, 56.

Germany.

a.—d. ——?

Group 9. EPITREPTUS.

Corpus flavo-cinereum aut cinereo-flavum, mediocre aut parvum. Facies parum angustata. Pedes cinereo-fusci, fulvo varii. *Mas.* Sexualia sat parva, acuminata, aut subacuminata. *Fæm.*—Oviductus trigonus, acuminatus.

Epitreptus, Loew, Linn. Ent. iv. 108.

Yellowish ash-gray or grayish yellow species, of moderate size. Legs more or less streaked, blackish in one species at the articulation of the base of the tibia, opaque blackish gray in the

pecies, owing to the thick overlying hairiness; in all other species an uniform grayish brown, which is a characteristic of this group. ice not especially narrow. Sexualia of the male rather small, inted or somewhat pointed at the tips, but with a distinct rim on e hind border of one species. Ovipositor pointed, triangular.

57. ASILUS CINGULATUS.

Canescens; *mystax supra niger*, *subtus albus*; *barba alba*; *thorax fusco trivittatus*; *abdomen linea dorsali nigra*; *tibiæ fulvae*, *nigro annulatae*; *alæ hyalinæ*, *postice subcinereæ*; *halteres fulvi*.

illus cingulatus, *Fabr. Spec. Ins.* ii. 464, 25; *Ent. Syst.* iv. 385, 41; *Syst. Anl.* 172, 36. *Schr. Faun. Boic.* iii. 2548. *Fall. Dipt. Suec. Asil.* 10, 6. *Meig. Klass. Ins.* 268; *Zweifl.* ii. 325, 29; *Macq. Dipt. Nord. Asil.* 33, 10; *Hist. Nat. Dipt.* i. 305, 10; *Zeller, Isis*, 1840, 59, 12; *Loew, Isis*, 1840, 541, 16. *illus annulatus*, *Macq. Dipt. Nord. Asil.* 36, 16.

the whole of Europe. South Italy. Dalmatia. Turkey.

58. ASILUS SETOSULUS.

Venter ante incisuras setulis binis validis armatus; *mystax flavi-dus*, *pilis nigris superius admixtis*.

illus setosulus, *Zeller, Isis*, 1840, 58, 11; *Loew, Linn. Ent.* iv. 111, 58.

illus striatus, *Macq. Dipt. Nord. Asil.* 35, 14; *Hist. Nat. Dipt.* i. 396, 14.

illus striatus?? Meig. Zweifl. ii. 340, 54.

Cinereus; *facies et barba alba*; *mystax albus*, *supra parum niger*; *thorax nigro vittatus*, *vitta intermedia gemina*; *abdomen cinereo micans*, *linea dorsali nigra*; *tibiæ testaceæ*; *alæ hyalina*, *apice cinereæ*; *halteres flavi*.

illus nanus, *Loew, Isis*, 1840, 540, 5.

Middle Europe.

—?

59. ASILUS INCONSTANS.

Flavo-cinereus; *facies flavicans*; *mystax pilique antennarum pal-lide flavi*; *barba alba*; *thorax fusco trivittatus*; *abdomen varium*, *fusco obsolete vittatum*, *ventre ante incisuras setulis binis validis armato*; *pedes subtestacei*, *nigro vittati*; *alæ flavido subcinerei*; *halteres flavo-fusci*.

Asilus inconstans, Hoffm.; Meig.; Germ. Faun. xv. 21. Macq.
Dipt. Exot. i. 2, 138, 8; *Expl. Sci. Alg.* iii. *Ins.* 441. Loew,
Linn. Ent. iv. 114, 59.
Asilus culiciformis? Pallas; Wied. Zool. Mag. i. 2, 32. Meig.
Zweifl. ii. 324, 28.

Incanus; facies, mystax et barba alba; thorax fusco trivittatus;
abdomen subulatum, fusco fasciatum; pedes fulvescentia;
femoribus nigro vittatis; alæ fere limpidæ; halteres flavi.

South France. Portugal. Asia Minor. Algeria. Egypt. Canary
Isles.

- a. Italy. From Dr. Leach's collection.
- b. ——?

60. ASILUS SENEX.

Subcinereus; facies angusta, flavicans; mystax, barba et antennæ
basi albo pilosa; antennarum articulus 3us sat gracilis;
thorax trivittatus; abdomen albo subfasciatum; pedes nigri;
alæ limpidæ; halteres rufo-fusci.

Asilus senex, Hoffm.; Meig. Zweifl. ii. 321, 22. Loew, Linn. Ent.
iv. 117, 60.

Portugal.

61. ASILUS ARTHRITICUS.

Pedes nigri, tibiis basi fuscis.

Asilus arthriticus, Zeller, Isis, 1840, 64, 16. Loew, Isis, 1840, 54,
ii. 584; Linn. Ent. iv. 118, 61.

Middle Europe.

62. ASILUS EMARGINATUS.

Mas. et fœm. Venter absque setulis erectis ante incisuras; mystax
pilique in antennarum articulis 1o et 2o omnes flavescentia.

Asilus emarginatus, Loew, Linn. Ent. iv. 121, 62.

Italy. (Rome.)

Section II.

Fœm. Sexualia conica, nonnunquam clavata, non compressa,
aut apice tantum subcompressa.

Oviduct conical, occasionally clavate, not compressed, or
slightly compressed at the tip.

Group 10. ANTIPHRISSON.

Corpus mediocre, cinerascens, aut cinereo flavescentis. Mystax losus, albus, pilis paucis nigris. Abdomen nudum; incisuræ setis nullis. Pedes strigati. Alæ limpidæ, apice paulo obscuriores. fas.—Sexualia parva, simplicia, nigro-fusca aut rufescens. Fem.—Abdomen fere planum, acuminatum. Oviductus conicus, breviter irtus, longitudine mediocri.

antiphrisson, Loew, Linn. Ent. iv. 123.

Grayish or grayish yellow species, of moderate size, like those of the preceding group in colour. *Mystax* white with fine hairs, and with a few black hairs by the epistoma. In a scarce variety of *L. trifarius* the highest hairs are black. *Abdomen* bare; the incisures with no bristles. *Legs* with dark and pale stripes; the ground-colour quite apparent through the light covering of hairs. *Wings* impid, very slightly darker at the tips. *Male.*—*Sexualia* small, simple, blackish brown, or brownish red, or paler. *Fem.*—*Abdomen* cuminated, nearly flat. *Oviduct* conical, of moderate length, with short hairs.

63. ASILUS ADPRESSUS.

Thorax pilis minutis albis adpressis vestitus.

asilus adpressus, Loew, Linn. Ent. iv. 125, 63.

Leander, Asia Minor.

64. ASILUS ANGUSTIFRONS.

Facies angusta.

asilus angustifrons, Loew, Linn. Ent. iv. 126, 64.

Leander, Asia Minor.

65. ASILUS TRIFARIUS.

Facies lata, thorax pilis nigris.

asilus trifarius, Loew, Linn. Ent. iv. 128, 65.

Greece. Asia Minor.

Group 11. ASILUS.

Corpus magnum aut maximum, coloribus intensis. Mystaxensus, fulvus aut ferrugineus, unicolor. Proboscis longus, acuminatus. Antennæ basi breviter pilosæ. Thorax planiusculus, breviter hirtus, setis abbreviatis posticis. Abdomen nudum; incisuræ

setis nullis. Metatarsus non abbreviatus. Alæ fulvæ, apice marginaque postico nigro-fuscæ. *Mas.*—Sexualia parva, simplicia. *Fæm.*—Oviductus obconicus, acuminatus.

Asilus, Loew, Linn. Ent. iv. 132.

Bright and deep coloured, large or very large species. Myxax with rough hairs, tawny or ferruginous, of one colour. Proboscis especially long and pointed. First and second joints of the antennæ with short hairs. Thorax rather flat, with short hairs; the bristles short, and not extending beyond the middle. Abdomen bare; incisures without bristles. Metatarsus not shortened. Wings tawny, with blackish brown tips and hind borders. *Male.*—Sexualia small, simple. *Fem.*—Oviduct obconical, acuminated.

66. ASILUS BARBARUS.

Ferrugineus; abdomen atrum, punctis lateralibus albis; femora nigra; alæ flavæ, margine postico fuso maculato; halteræ fusi.

Asilus barbarus, Linn. Syst. Nat. 1007, 3. Meig. Klass. 245, 2; Zweifl. ii. 308, 3. Macq. Hist. Nat. Dipt. i. 303, 1. Expl. Sci. Alg. iii. Ins. 439, 70. Loew, Linn. Ent. iv. 132, 65.

South Europe. North Africa.

67. ASILUS CRABRONIFORMIS.

Abdomen antice atrum postice flavum.

Asilus crabroniformis, Linn.; Oken, Lehrb. Naturgesch. iii. 488. Dum, Cons. Gén. Ins. pl. 46, f. 10. Macq. Hist. Nat. Dipt. i. 303; Expl. Sci. Alg. iii. Ins. 439, 71, pl. 2, f. 8. Dahl. Skand. Ins. 308, 208. Zeller, Isis, 1840, 48, 1. Zett. Dipt. Scand. i. 165, 1.

Europe and a great part of Asia. Australia.

a.—c. England. From Mr. Stephens' collection.

Group 12. RHADIURGUS.

Corpus mediocre, cinereo-nigrum. Facies nigra, nitida, apud oculos alba. Abdomen nudum; incisuræ setis nullis. *Mas.*—Sexualia mediocria; forceps marginæ postico valde inciso; penis acumedio præ cæteris elongato. *Fæm.*—Abdomen præsertim planum. Oviductus brevis, obtuse obconicum, subtus compressum.

Rhadiurgus, Loew, Linn. Ent. iv. 133.

Body grayish black, of moderate size. Face black, shining

uite about the eyes. Abdomen bare, without bristles. *Male*.—Sexualia of moderate size; forceps with the hind border deeply notched. *Fem*.—Abdomen more flat than that of the male. Oviduct short, obtusely obconical, somewhat compressed beneath.

68. ASILUS VARIABILIS.

Mas et fœm. Obscure cinereus; barba faciei latioris ad maximam partem in mari alba in fœm. nigra, menti nivea; macula sub antennis subquadrata nigra nitidissima; thoracis vitta media subgemina et abdomen nigricantia, incisuris albescientibus; pedes nigri, tibiis posticis metatarsisque omnibus ferrugineis, femoribus anticus subtus albo pilosis; alæ subhyalinæ.

asilus variabilis, Zett. Ins. Lapp. 506, 4; Dipt. Scand. i. 169, 5.

Loew, Linn. Ent. iv. 133, 68.

orth Europe.

Group 13. PAMPONERUS.

Corpus nigro-cinereum, sat magnum. Facie pars convexa cæteris magna. Mystax fere ad antennas ascendens. Thorax minor et breviter hirtus, breviterque setosus. Abdomen pilosum; incisuræ setis longioribus. Femora anteriora dense setosa. Alæ rotundatae. *Mas*.—Sexualia mediocria; forceps marginé posticō lide inciso. *Fem*.—Oviductus brevis, obtuse obconicus.

Pamponerus, Loew, Linn. Ent. iv. 135.

Body blackish gray, of rather large size. Convex part of the thorax unusually large. Mystax ascending nearly to the antennæ. Thorax with fine and short hairs, and with short stout bristles. Abdomen hairy; incisures with bristles, which are longer than the hairs. Legs black; tibiae tawny; anterior femora thickly beset with bristles. Wings highly coloured. *Male*.—Sexualia of moderate size; forceps with the hind border deeply notched. *Fem*.—Oviduct short, obtusely obconical.

69. ASILUS GERMANICUS.

Cinereus; mystax supra niger, subtus fulvus; barba fulva; thorax nigro vittatus; abdomen nigrum; tibiae tarsique fulva; alæ costa ferruginea, maris fuscae basi albæ.

asilus germanicus, Linn. Oken, Lehrb. Naturgesch. iii. 488. Zeller, Isis, 1840, 52, 6. Zett. Dipt. Scand. i. 166, 2. Loew, Linn. Ent. iv. 135, 69.

orth and Middle Europe.

England. From Mr. Stephens' collection.

Group 14. ANTIPALUS.

Corpus obscure cinereum, sat magnum. Faciei pars convexa magna. Mystax dense setosus. Abdomen apud incisuras tenuiter setosum. Pedes nigri, setosi; tibiae fulvae. Alæ apice marginae postico fusco-cinereis. Mas.—Sexualia mediocria; forceps marginæ postico tenuiter inciso. Fem.—Oviductus niger nitens, valde incrassatus et clavatus.

Antipalus, *Loew, Linn. Ent.* iv. 136.

Body rather large, dull gray. Convex part of the face large. *Mystax* thickly beset with bristles. Abdomen with slender bristles about the incisures. Legs black, setose; tibiae tawny. Wings brownish gray at the tips and along the hind borders. *Male*.—Sexualia of moderate size; forceps slightly notched on the hind border. *Fem*.—Oviduct black, shining, clavate and much incrassated.

70. ASILUS VARIPES.

Cinereus; facies albida; mystax supra niger, subtus albus; barba alba; thorax vitta nigra; abdomen nigrum, incisuris albis; pedes nigri, tibiis et metatarsis fulvis; alæ apice subcinereas; halteres fulvi. Mas.—Femora antica abusque setis. Fem.—Femora antica basi parum setosa.

Asilus varipes, *Meig. Zweifl.* ii. 328, 33. *Zeller, Ent. Zeit.* viii. 280, 1. *Loew, Linn. Ent.* iv. 136, 70.

Asilus macrurus, *Ruthe, Isis*, 1831, 1221; *Loew, Ent. Zeit.* viii. 49.

Asilus xanthopygus, *Ruthe, Isis*, 1831, 1220.

Asilus tenax, *Zeller, Isis*, 1840, 52, 5.

Asilus aurifluus, *Zeller, Isis*, 1840, 51, 4.

Middle Europe.

71. ASILUS TRUNCATUS.

Femora antica in utroque sexu multisetosa.

Asilus truncatus, *Loew, Linn. Ent.* iv. 139, 71.

Ephesus, and about the Meander, Asia Minor.

Group 15. ECHTHISTUS.

Corpus cinereo-flavescens, magnum. Facies lata; pars convexa magna. Mystax deusus. Femora anteriora dense spinosæ; metatarsi anteriores brevissimi, articulo 2o vix longiores. Mas.—

Forces analis mediocris, margine postico inciso. Fæm.—Oviductus obconicus.

Thistustus, Loew, Linn. Ent. iv. 142.

Grayish yellow species of rather large size. Face broad; the convex part large. Mystax thick. Anterior femora thickly spined; anterior metatarsi very short, but little longer than the second joint, a character peculiar to this group. *Male.*—Anal forces of moderate size; hind border notched. *Fem.*—Oviduct conical.

72. ASILUS RUFINERVIS.

Fulvescens; facies ferruginea; mystax supra niger, subtus albus; barba alba; thorax fusco trivittatus; abdomen maculis dorsibus fuscis; setæ thoracis abdominisque minus validæ; pedes fulvi, femoribus nigris; alæ antice flavescentes, venis fulvescentibus; halteres flavi.

silus rufinervis, Hoffm.; Meig. Zweifl. ii. 324, 27, ex parte. Ruthe, Isis, 1831, 1219. Zeller, Isis, 1840, 49, 2. Loew, Isis, 1840, 538, 2.

silus flavescens? Macq Hist. Nat. Dipt. i. 305, 8.

Middle Europe.

73. ASILUS COGNATUS.

Setæ thoracis abdominisque validiores; tibiae rufæ, apice nigrae; tarsi nigricantes, basi magis minusve rufescentes.

silus rufinervis, Meig. Zweifl. ii. 324, 27, ex parte.

silus cognatus, Loew, Linn. Ent. iv. 143, 73.

South Russia. Isles of Greece, Asia Minor.

Group 16. PHILONICUS.

Corpus mediocre, cinereum, sere nudum. Faciei pars convexa levata. Mystax parvus. Metatarsi non abbreviati. *Mas.*—*Forces analis vix mediae magnitudinis, margine postico arcuatim ciso. Fæm.*—Oviductus obconicus, apice spinosus.

philonicus, Loew, Linn. Ent. iv. 144.

Allied to *Proctacanthus*. Body gray, almost bare, of moderate size. Face with the convex part small. Mystax with but few spines. Metatarsi not short. *Male.*—Anal forces rather less in the middle size, with a concave notch on the hind border. *Fem.*—Oviduct obconical; its tip armed with short spines.

74. ASILUS ALBICEPS.

Fusco-cinereus; facies et mystax alba, hic supra niger; thorax nigro pilosus, fusco vittatus; abdomen supra fuscum, incisus pallidus; pedes nigricantes; alæ fuscescens; halteres flavi.

Asilus albiceps, Meig. Loew, Linn. Ent. iv. 145, 72.

Asilus nudus, Loew, Isis, 1840, 542, 9, 548.

Europe.

a. England. From Mr. Stephens' collection.

Var. *Cinereus; facies albo sericea; mystax flavido-albus; barba alba; thorax trivittatus, vitta intermedia gemina; abdomen fasciatum; alæ cinerascentes; halteres flavi.*

Asilus cauescens, Hoffm.; Meig. Zweifl. ii. 336, 47.

Portugal.

Var. *Mas et fœm. Cinerascens; faciei canæ barba supra paucissime nigra, infra mentique alba; thoracis vitta, canæ pedesque obscure cinerea; femora graciliora, antica subtus una serie parce albo pilosa; alæ subhyalinæ; halteres flavo-albi.*

Asilus albobarbus, Zell. Asil. in Isis, 1840, 66, 18. Zett. Dipt. Scand. i. 172, 7.

Europe and South Russia.

Group?

- A. *Mystax sere niger. - - - - - tenuis, Macq.*
- B. *Mystax niger, subtus flavus aut fulvus.*
 - A. *Pedes toti nigri.*
 - A. Alæ obscure flavæ. - - - - - melanotrichus, Brull.
 - B. Alæ cinereæ. - - - - - melampodius, Zett.
 - c. Alæ subcinereæ, vitta hyalina. - - - - - forcipatus, Linn.
 - d. Alæ limpidæ. - - - - - tessellatus, Brull.
 - B. *Pedes fusi. - - - - - varius, Gürtl.*
 - C. *Pedes picet.*
 - A. Alæ hyalinæ. - - - - - picipes, Meig.
 - B. Alæ fuscæ. - - - - - fuscipennis, Meig.
 - C. *Mystax niger, subtus setis paucis albis. - - - - - nigripes, Macq.*
 - D. *Mystax niger, subtus albus.*
 - A. *Thorax fusco vittatus.*

A.	<i>Thorax cinereus.</i>	- - - - -	<i>pilipes, Meig.</i>
	<i>Thorax fulvescens.</i>	- - - - -	<i>marginatus, Meg.</i>
B.	<i>Thorax nigro vittatus.</i>		
	<i>A. Abdominis incisuræ albæ.</i>	- - -	<i>parvulus, Meig.</i>
	<i>B. Abdominis incisuræ non albæ.</i>	- - -	<i>intermedius, Holm.</i>
E.	<i>Mystax albidus, supra niger.</i>		
	<i>A. Tibiæ anticæ annulatæ.</i>	- - -	<i>annulatus, Macq.</i>
	<i>B. Tibiæ anticæ non annulatæ.</i>		
	<i>A. Corpus cinereo-flavescens.</i>	- - -	<i>flavescens, Macq.</i>
	<i>B. Corpus nigricans.</i>	- - -	<i>pumilus, Macq.</i>
F.	<i>Mystax albo-canescens, margine nigro.</i>	- - -	<i>hispidus, Zell.</i>
G.	<i>Mystax flavo-albus, margine nigro.</i>	- - -	<i>naxius, Macq.</i>
H.	<i>Mystax albo-nigroque varius.</i>	- - -	<i>micana, Meig.</i>
I.	<i>Mystax albus, setis perpaucis nigris.</i>	- - -	<i>gracilipes, Meg.</i>
J.	<i>Mystax albus vel albidus.</i>		
	<i>A. Pedes nigricantes.</i>	- - -	<i>fimbriatus, Meig.</i>
	<i>B. Pedes nigri; tibiæ fulvo annulatae.</i>		
	<i>A. Alæ flavescentes.</i>	- - -	<i>annulipes, Brullt.</i>
	<i>B. Alæ limpidae.</i>	- - -	<i>cinerarius, Pallas.</i>
	<i>C. Pedes nigri; tibiæ rosæ.</i>	- - -	<i>tibialis, Gimm.</i>
	<i>D. Pedes testacei, nigro striati.</i>	- - -	<i>callosus, Pallas.</i>
K.	<i>Mystax flavo-albus.</i>	- - -	<i>Siculus, Macq.</i>
L.	<i>Mystax flavicans, setis nonnullis nigris.</i>	- - -	<i>decipiens, Hoffm.</i>
M.	<i>Mystax flavicans aut ferrugineus.</i>	- - -	<i>tephraeus, Hoffm.</i>
N.	<i>Mystax — ?</i>	- - -	<i>punctatus, Macq.</i>

Some of the following *Asili* may be merely varieties.

75. ASILUS TENUIS.

Fœm. *Cinereus; facies albicans; mystax nigricans, facie dimidium non attingens; abdomen gracile, apice attenuatum, segmentorum marginibus pallidis; pedes nigri; tibiis fulvis apice nigris.*

Asilus tenuis, Macq. *Hist. Nat. Dipt.* i. 307, 16. Meig. *Zweifl.* vii. 75, 67.

Ascily.

76. ASILUS MELANOTRICHUS.

Mas. *Niger; mystax supra niger, subtus albo-flavicans; thoracis latera flavicante hirsuta; abdominis latera pilis flavescen-tibus instructa; alæ obscure flave.*

Asilus melanotrichus, Brullé, *Exped. Scient. de Morée*, iii. 2, :
637.

Morea.

77. ASILUS MELAMPODIUS.

Mas et fæm. *Fusco-cinerascens*, thorax vittis subtribus ob-
rioribus; mystax supra niger, infra fulvus; barba fulva
flava; pedes nigri et toti nigro spinosi, femoribus anticis:
tus albo villosus; alæ cinerascentes, disco longitudinaliter l-
linæ; halteres flavi.

Asilus melampodus, Zell. *Asil. in Isis*, 1840, 67, 19. Zett. D
Scand. i. 173, 8.

Asilus forcipatus, var. major, Fall. *Asil.* 9, 5.

North Europe.

78. ASILUS FORCIPATUS.

Fulvo-cinereus; facies fulva; mystax supra niger, subtus ful-
barba fulva; thorax nigro vittatus; abdomen fusco mica
pedes nigri; alæ subcinereæ; halteres fulvi.

Asilus forcipatus, Linn. Oken, *Lehrb. Naturg.* iii. 488.

Asilus furcipula? Zeller.

a. Italy. From Dr. Leach's collection.

b, c. —— ?

79. ASILUS TESSELLATUS.

Mas. *Niger*; mystax niger, subtus flavescens; thoracis et ab-
minis latera aureo villosa; thorax vitta dorsali nigra gemi
pilis dorsi nigris; abdominis latera pilis longis fluorescentib
segmentorum margines postici aureo villosi; alæ limpidae.

Asilus tessellatus, Brullé, *Exped. Scient. de Morée*, iii. 2, 296, 6

Morea.

80. ASILUS VARIUS.

Fulvescens; facies flava; mystax supra niger, subtus flavus; bar-
alba; thorax fusco vittatus; abdomen fuscum, incisuris fi-
vescentibus; pedes et halteres fusci; alæ subcinereæ.

Asilus varius, Gürtl; Meig. Zweifl. ii. 329, 34.

Austria.

81. ASILUS PICIPES.

anescens; *facies et barba pallida*; *mystax supra niger, subtus pallidus*; *thorax nigro vittatus, vitta intermedia duplicata*; *abdomen fuscum, incisuris albis*; *pedes picei*; *alæ hyalinæ, apice et postice subcinerea*; *halteres flavi*.

us picipes, Meig. Zweifl. ii. 338, 51.

us furcipula? Zeller.

tria.

82. ASILUS FUSCIPENNIS.

cinereus; *facies et barba flavo-canescentes*; *mystax supra niger, subtus pallidus*; *thorax fusco vittatus*; *abdomen fasciis fuscis micantibus*; *pedes picei*; *alæ cinereo-fuscæ, basi costæque dimidio basali flavescentes*; *halteres flavi*.

us fuscipennis, Meig.

Idle and South Europe. Asia Minor.

83. ASILUS NIGRIPES.

cinereus; *facies alba*; *mystax niger, setis subtus paucis albis*; *pedes nigri, tibiis metatarsisque posticis intus rufo hirtis*; *alæ apice fuscantes*.

us nigripes, Macq. Dipt. du Nord, 34, 15. Meig. Zweifl. viii. 75, 70.

th France.

84. ASILUS PILIPES.

cinereus; *facies et barba albæ*; *mystax supra niger, subtus albus*; *thorax fusco vittatus, vitta intermedia gemina*; *abdomen cinereum, fusco fasciatum*; *pedes subcinerei*; *alæ pallide subcinereo-fuscantes*; *halteres sordide flavi*.

us pilipes, Meig. Zweifl. ii. 320, 21.

th France.

85. ASILUS MARGINATUS.

ulvescens; *facies sordide alba*; *mystax supra niger*; *subtus albus*; *barba alba*; *thorax fusco vittatus*; *abdomen cinereum, incisuris nigro-fuscis*; *pedes fusi*; *alæ apice fusco-cinerea*; *halteres fusi*.

us marginatus, Megerle; Meig. Zweifl. ii. 331, 39.

tria.

95. ASILUS FIMBRIATUS.

*Cinereus; facies, mystax et barba alba; thorax nigro vittat
vitta intermedia duplicata; abdomen nigro-fuscum, incis
pallidis; pedes nigricantes; alæ subhyalinæ; halteres fla
fuscescentes.*

Asilus fimbriatus, Meig.

Europe.

96. ASILUS ANNULIPES.

*Mas. et fem. Ater; mystax flavidio-albus; thorax vittis tri
subaureis; tibiae basi annulo ferrugineo; alæ pallide fla
centes. Mas.—Abdomen lepide aureo villosum. Fem.
Abdomen fere nudum.*

*Asilus annulipes, Brullé, Exped. Scient. de Moree, iii. 2, 295, &
pl. 46, f. 6. Allied to A. cinerarius, Meig.*

Calamata, Morea.

97. ASILUS CINERARIUS.

*Cinereus; mystax albidus; barba alba; pedes nigri, tibiis fu
annulatis; alæ limpidæ; halteres pallidi.*

Asilus cinerarius, Pallas; Wied.

South Russia.

98. ASILUS TIBIALIS.

*Niger, cinereo pilosus; mystax canus; tibiae rufæ; alæ fere li
pidæ.*

*Asilus tibialis, Gimm. Bull. Soc. Imp. Nat. Mosc. 1847, 3, 162;
South Russia?*

99. ASILUS CALLOSUS.

*Cinereus; barba alba; thorax callis duobus anticis fulvis; pa
testacei, nigro striati; alæ hyalinæ; halteres pallidi.*

*Asilus callosus, Pallas; Wied. Zool. Mag. i. 2, 30. Meig. Zwe
ii. 333, 42.*

South Russia.

100. ASILUS SICULUS.

*Ferrugineus, lateribus cinereis; mystax albidus; pedes fulvi; &
flavicanentes.*

*Asilus Siculus, Macq. Hist. Nat. Dipt. i. 303, 3. Meig. Zwe
vii. 74, 64.*

Sicily.

101. ASILUS DECIPIENS.

Cinereus; facies et barba albæ; mystax flavicans, setis nonnullis nigris; thorax nigro-fusco trivittatus; abdomen albo fasciatum; pedes nigri, femoribus apice supra badiis; alæ limpidæ vix flavescentes; halteres ferruginei.

illus decipiens, Hoffm.; Meig. Zweifl. ii. 334, 44.

Portugal.

102. ASILUS TEPHRAEUS.

Cinereus; facies orichalcea; mystax et barba flavicantia; thoracis vitta media lateralibus multo distinctior; pedes fulvi, nigro varii; alæ limpidæ, apice subcinerea; halteres flavi.

illus tephraeus, Hoffm.; Meig. Zweifl. ii. 334, 45.

Portugal.

103. ASILUS PUNCTATUS.

Mas. *Abdomen cinereum, nigro micans, segmentis quatuor anticus punctis duobus cinereis.*

illus punctatus, Macq. Hist. Nat. Dipt. i. 308, 24. Meig. Zweifl. vii. 75, 69.

America.

North America.

Mystax niger, cinereo mixtus. - - - - tibialis, Macq.

Mystax niger, subtus flavus.

A. *Abdomen basi cano hirtum. - - - Sadyates, Walk.*

B. *Abdomen basi flavo hirtum. - - - Alethes, Walk.*

Mystax niger, subtus albus.

A. *Tibiæ cinctæ.*

A. *Thorax cinereus. - - - annulipes, Macq.*

B. *Thorax flavo-fuscus. - - - Paropus, Walk.*

B. *Tibiæ non cinctæ.*

A. *Thorax cinereus, vitta nigricante. - Novæ Scotiæ, Macq.*

B. *Thorax fuscus, fulvo trivittatus. - Lecythus, Walk.*

Mystax flavidо-cinereus.

Mystax fulvus. - - - interruptus, Macq.

Mystax flavus aut flavescentis aut flavo-albus. sericeus, Say.

A. *Antennæ nigrae.*

A. *Alæ apice cinereæ aut subfuscæ.*

a. *Abdomen albo fasciatum. - - notatus, Wied.*

b. *Abdomen albo non fasciatum. - Antimachus, Walk.*

95. ASILUS FIMBRIATUS.

Cinereus; *mystax et barba alba*; *thorax nigro vittato*,
vitta intermedia duplicita; *abdomen nigro-fuscum*, *incisus*
pallidis; *pedes nigricantes*; *alæ subhyalinae*; *halteres flavo-*
fuscescentes.

Asilus fimbriatus, Meig.

Europe.

96. ASILUS ANNULIPES.

Mas. et form. Ater; *mystax flavidio-albus*; *thorax vittis tribus*
subaureis; *tibiae basi annulo ferrugineo*; *alæ pallide fluores-*
centes. *Mas.*—*Abdomen lepide aureo villosum*. *Form.*—
Abdomen fere nudum.

Asilus annulipes, Brullé, *Exped. Scient. de Morbe*, iii. 2, 295, 64,
 pl. 46, f. 6. Allied to *A. cinerarius*, Meig.

Calamata, Morea.

97. ASILUS CINERARIUS.

Cinereus; *mystax albidus*; *barba alba*; *pedes nigri*, *tibiis fulvo-*
annulatis; *alæ limpidæ*; *halteres pallidi*.

Asilus cinerarius, Pallas; Wied.

South Russia.

98. ASILUS TIBIALIS.

Niger, *cinereo pilosus*; *mystax canus*; *tibiae rufæ*; *alæ fere lim-*
pidæ.

Asilus tibialis, Gimm. *Bull. Soc. Imp. Nat. Mosc.* 1847, 3, 162, 5.

South Russia?

99. ASILUS CALLOSUS.

Cinereus; *barba alba*; *thorax callis duobus anticis fulvis*; *pedes*
testacei, *nigro striati*; *alæ hyalinæ*; *halteres pallidi*.

Asilus callosus, Pallas; Wied. *Zool. Mag.* i. 2, 30. Meig. Zweifl.
 ii. 333, 42.

South Russia.

100. ASILUS SICULUS.

Ferrugineus, *lateribus cinereis*; *mystax albidus*; *pedes fulvi*; *alæ*
flavivantes.

Asilus Siculus, Macq. *Hist. Nat. Dipt.* i. 303, 3. Meig. Zweifl.
 vii. 74, 64.

Sicily.

101. ASILUS DECIPIENS.

Cinereus; facies et barba albæ; mystax flavicans, setis nonnullis nigris; thorax nigro-fusco trivittatus; abdomen albo fasciatum; pedes nigri, femoribus apice supra badiis; alæ limpidae vix flavescentes; halteres ferruginei.

*silus decipiens, Hoffm.; Meig. Zweifl. ii. 334, 44.
Portugal.*

102. ASILUS TEPHRAEUS.

Cinereus; facies orichalcea; mystax et barba flavicantia; thoracis vitta media lateralibus multo distinctior; pedes fulvi, nigro varii; alæ limpidae, apice subcinereæ; halteres flavi.

*silus tephraeus, Hoffm.; Meig. Zweifl. ii. 334, 45.
Portugal.*

103. ASILUS PUNCTATUS.

Mas. *Abdomen cinereum, nigro micans, segmentis quatuor anticus punctis duobus cinereis.*

silus punctatus, Macq. Hist. Nat. Dipt. i. 308, 24. Meig. Zweifl. vii. 75, 69.

~~ance.~~

North America.

<i>Mystax niger, cinereo mixtus.</i>	-	-	-	<i>tibialis, Macq.</i>
<i>Mystax niger, subtus flavus.</i>				
<i>A. Abdomen basi cano hirtum.</i>	-	-	-	<i>Sadyates, Walk.</i>
<i>B. Abdomen basi flavo hirtum.</i>	-	-	-	<i>Alethes, Walk.</i>
<i>Mystax niger, subtus albus.</i>				
<i>A. Tibiæ cinctæ.</i>				
<i>A. Thorax cinereus.</i>	-	-	-	<i>annulipes, Macq.</i>
<i>B. Thorax flavo-fuscus.</i>	-	-	-	<i>Paropus, Walk.</i>
<i>B. Tibiæ non cinctæ.</i>				
<i>A. Thorax cinereus, vitta nigricante.</i>	-			<i>Novæ Scotiæ, Macq.</i>
<i>B. Thorax fuscus, fulvo trivittatus.</i>	-	-	-	<i>Lecythus, Walk.</i>
<i>Mystax flavidocinereus.</i>	-	-	-	<i>interruptus, Macq.</i>
<i>Mystax fulvus.</i>	-	-	-	<i>sericeus, Say.</i>
<i>Mystax flavus aut flavescentis aut flavo-albus.</i>				
<i>A. Antennæ nigrae.</i>				
<i>A. Alæ apice cinereæ aut subfuscæ.</i>				
<i>a. Abdomen albo fasciatum.</i>	-	-	-	<i>notatus, Wied.</i>
<i>b. Abdomen albo non fasciatum.</i>	-			<i>Antimachus, Walk.</i>

B. Alæ tote limpidae.	- - - -	Orphne, Walk.
B. Antennæ basi pallidæ.		
A. Femora anteriora nigra.	- - -	ultimus, Walk.
B. Femora anteriora nigro vittata.	- - -	Herminius, Walk.
C. Pedes mellei.	- - - -	gracilis, Wied.
H. Mystax albus aut albidus.	- - - -	femoralis, Macq.

Group 1.

Corpus minor, cinereum, parce setosum, vix hirtum. Facies apud epistoma convexa. *Mystax* dense setosus. Proboscis gracilis, linearis. Antennarum articulus 3us lanceolatus, lo paullo longior; arista 3o brevior. Abdomen gracile, thorace duplo longius. Pedes sat validi, spinosi, parce hirti. *Mas*.—Sexualia parva. *Fam.*—Abdomen compressum, apicem versus attenuatum et lanceolatum.

Radial vein curved at its tip. Cubital forked at much beyond half its length; fore fork nearly straight; hind fork slightly undulating. First and second externo-medial veins almost straight; third very slightly curved, forming an obtuse angle with the pre-brachial, joining the fourth rather far from the border. Subanal joining the anal very near the border.

Asilus Sadyates, Walk.; *A. Alethes*, Walk.; *A. Lecythus*, Walk.

Group 2.

Fam. Corpus ferrugineum, sere nudum. Facies plana. *Mystax* sat dense setosus. Proboscis valida, lanceolata. Thorax latera parce setosa. Abdomen longum, sublineare, apicem versus oblanceolatum, thorace triplo longius, alas longe superans. Pedes longiusculi, sat graciles, parce spinosi, non pilosi.

Cubital vein forked at a little before two-thirds of its length; forks nearly straight. First externo-medial curved at its base; second straight; third hardly curved, forming a very slightly obtuse angle with the prebrachial, joining the fourth wing far from the border. Subanal joining the anal on the border.

Asilus Herminius, Walk.

104. ASILUS TIBIALIS.

Fam.—*Cinereus*; *mystax niger*, *cinerero mixtus*; *antennæ nigre*; *thorax vittis nigris*; *abdomen cinereo-nigrum*; *pedes nigri*; *tibiis testaceis apice nigris*; *alæ fuscescentes*.

Asilus tibialis, Macq. *Hist. Nat. Dipt.* i. 313, 38.

Philadelphia.

105. ASILUS SADYATES.

lus Sadyates, Cat. of Diptera, Pt. 2, 453.

io.

106. ASILUS ALETHES.

lus Alethes, Cat. of Diptera, Pt. 2, 454.

New York. Presented by the Entomological Club.

107. ASILUS ANNULIPES.

?œm. *Cinereus; abdomen fuscum, incisuris albidis; tibiae flavae, fusco-cinctæ; tarsi nigri, articulis basi metatarsoque fulvis; alæ hyalinae, apice subcineræ.*

lus annulipes, Macq. Dipt. Exot. i. 2, 149, 36.

rolina.

108. ASILUS PAROPUS.

lus Paropus, Cat. of Diptera, Pt. 2, 455.

w York.

109. ASILUS NOVÆ SCOTIÆ.

Mas. *Cinereus; thorax vitta recta nigricante; abdomen nigrum fusco micans, incisuris albis; pedes nigri, tibiis metatarsisque fulvis; alæ hyalinae, apice maculisque posticis cinereis.*

lus Novæ Scotiæ, Macq. Dipt. Exot. Suppl. 2, 46, 62.

wa Scotia.

110. ASILUS LECYTHUS.

lus Lecythns, Cut. of Diptera, Pt. 2, 451.

ur. *? Asilus Agrius, Cat. of Diptera, Pt. 2, 452.*

wa Scotia.

111. ASILUS INTERRUPTUS.

?œm. *Cinereus; mystax flavidо-cinereus; antennæ nigrae, articulo 1o rufescente; thorax vittis fuscis lineaque intermedia albida; abdomen nigrum, segmentis 2o et 3o fasciis interruptis cinereis, 6o et 7o cinereis vitta dorsali nigra; femora, tibiae et metatarsi antici rufo subvaria; alæ subfuscescentes.*

lus interruptus, Macq. Hist. Nat. Dipt. i. 310, 29.

orgia.

112. ASILUS SERICEUS.

Fœm. *Aurato-fuscus; mystax fulvus; antennæ fusca; vitta latissima nigro-fusca; pedes fuscii, tibiis flav flave, margine interno apiceque fuscis, limbo venar flavo.*

Asilus sericeus, Say, Journ. Acad. Philad. iii. 48, 2. Wie Zweifl. i. 429, 8.

Pennsylvania.

113. ASILUS NOTATUS.

Mas. *Niger; mystax flavo-albus; thorax cinerascen nigris; tibiae basi melleæ; ala limpidae, apice cinereæ.*

Asilus notatus, Wied. Auss. Zweifl. i. 451, 40.

United States.

114. ASILUS ANTIMACHUS.

Asilus Antimachus, Cat. of Diptera, Pt. 2, 454.

Trenton Falls.

115. ASILUS ORPHNE.

Asilus Orphne, Cat. of Diptera, Pt. 2, 456.

New York.

116. ASILUS ULTIMUS.

Asilus ultimus, Diptera Saundersiana, Pt. 2, 136.

North America.

117. ASILUS HERMINIUS.

Asilus Herminius, Cat. of Diptera, Pt. 2, 410.

This may be the same as *A. sericeus*, but differs from description of that species.

Massachusetts.

118. ASILUS GRACILIS.

Mas. *Cinereus; mystax flavescens; antennæ pedesque " thorax non vittatus; abdomen nigricans, cinereo hirtum breves, subflavescentes, apice marginaque fuscans.*

Asilus gracilis, Wied. Auss. Zweifl. i. 445, 31.

United States.

119. ASILUS FEMORALIS.

♂em. *Mystax albidus*; *thorax fulvidus, vittis fuscis; abdomen fuscum, incisuris flavidis; pedes fulvi, femoribus supra nigris; alæ hyalinæ, apice subfuscæ.*

lus femoribus, Macq. Dipt. Exot. Suppl. 2, 45, 61.

ladelphia.

Mexico.

120. ASILUS MEXICANUS.

♂as. *Niger; mystax subtus barbaque alba; pedes anteriores fulvi; alæ subcinereæ.*

lus mexicanus, Macq. Dipt. Exot. Suppl. 1, 94, 55.

xico.

West Indies.

121. ASILUS PLINTHOPYGUS.

♂as. *Fuscanus; antennæ nigrae; mystax albus; abdomen basi nigrum, apice testaceum; pedes nigri; alæ subflavescentes.*

us plinthopygus, Wied. Dipt. Exot. i. 184, 4; Auss. Zweifl. i. 432, 11.

a.

122. ASILUS ATRIPES.

♂em. *Flavo-cinerascens; mystax albidus; antennæ nigrae; thorax vittis nigris, exterioribus valde interruptis; abdomen fuscum, incisuris albidis; pedes nigri, tibiis obscure fuscis.*

ypogon atripes, Fabr. Syst. Antl. 170, 29.

us atripes, Wied. Dipt. Exot. i. 195, 24; Auss. Zweifl. i. 455, 46.

it Indies.

South America.

Corpus ænescens. - - - - - Americanus, *Macq.*

Abdomen chalybeum.

. Alæ chalybeæ. - - - - - iopterus, *Wied.*

. Alæ non chalybeæ. - - - - - cæruleiventris, *Macq.*

Abdomen non chalybeum.

. Alæ nigro-violaceæ. - - - - - abdominalis, *Wied.*

- B.* Alæ violaceo-fuscæ. - - - - luctuosus, *Macq.*
- C.* Alæ non violaceæ.
- a. *Mystax niger.*
 - i. Antennarum articulus 3us non compressus,
 - Alæ fuscæ. - - - - Gerion, *Walk.*
 - ii. Alæ flavescentes aut subfulvæ. - auribarbis, *Hoff.*
 - b. Antennarum articulus 3us compressus.
 - himantocerus, *Wied.*
 - B.* *Mystax supra* plus minusve niger, subtus plus minusve pallidus.
 - a. Pedes nigri.
 - i. *Mystax niger*, setis subtus nonnullis albis.
 - * Alæ flavescentes.
 - † Alæ apice pallidæ. - - - - nigrinus, *Macq.*
 - †† Alæ apice fuscescientes. - albibilosus, *Macq.*
 - ** Alæ sublimpidæ, fusco lineatæ, apice subcinereæ.
 - Tatius, *Walk.*
 - ii. *Mystax flavus* aut albus, setis supra nonnullis nigris.
 - * Corpus cyaneo-nigrum. - - - Herdonius, *Walk.*
 - ** Corpus nigro-fuscum. - - - Gamaxus, *Walk.*
 - iii. *Mystax supra* niger, subtus flavus. Lycorius, *Walk.*
 - b. Pedes ex parte pallidi.
 - i. Tibiæ posticæ albidæ. - - - barbatus, *Fabr.*
 - ii. Tibiæ posticæ non albidæ.
 - * Femora nigra.
 - † Tibia nigrae.
 - ‡ Tibia basi fulvæ. - - Eupator, *Walk.*
 - ‡‡ Tibia apice subtus fulvæ. - Gavius, *Walk.*
 - †† Tibia pallidæ.
 - † Alæ flavescentes. - Servillei, *Macq.*
 - ‡‡ Alæ subflavescentes. - Lebasii, *Macq.*
 - ††† Alæ subhyalinæ, apice cinereæ.
 - consanguineus, *Macq.*
 - ††† Alæ hyalinae, apice subfuscæ. Gayi, *Macq.*
 - ††† Alæ limpidæ, areolæ apicalæ et posteriores discis cinereis. - Antiphus, *Walk.*
 - †††† Alæ subcinereæ. - hebes, *Walk.*
 - ** Pedes ruf., nigro vittati. - Baletus, *Walk.*
 - *** Pedes castanei. - - - rufipalpis, *Macq.*
 - **** Pedes pallidi.
 - † Thorax nigro vittatus. - Ctesicles, *Walk.*
 - †† Thorax fusco vittatus.
 - ‡ Abdomen rufum. - rufinus, *Wied.*

- ‡ Abdomen fulvum, basi piceum, apice nigrum. - - - Leonides, Walk.
- c. *Mystax totus pallidus.*
- a. *Pedes nigri.*
 - i. *Alæ subflavescentes, apice infumatae.* carbonarius, Wied.
 - ii. *Alæ flavescentes.* - - - macularis, Wied.
 - iii. *Alæ sublimpidæ, apice cinereæ.* Therimachus, Walk.
 - b. *Pedes nigri, tibialis fulvis.* - - longiusculus, Walk.
 - c. *Femora supra nigra.*
 - i. *Alæ flavescentes.* - - - clavatus, Macq.
 - ii. *Alæ limpidæ, apice cinereæ.* - - tenuis, Wied.
 - d. *Femora nigro vittata.*
 - i. *Thorax cinereus, nigro vittatus.* - - mellipes, Wied.
 - ii. *Thorax fuscus, fulvo vittatus.* - - Mucius, Walk.
 - e. *Femora apice nigra.*
 - i. *Alæ subflavescentes.* - - - Hilarii, Macq.
 - ii. *Alæ subcinereæ.* - - - 6-maculatus, Walk.
 - f. *Femora apice fusca.* - - - lutipes, Wied.
 - g. *Femora tota pallida.*
 - i. *Alæ flavidæ, apice fuscanæ.* - - Colombiæ, Macq.
 - ii. *Alæ fulvæ.* - - - Calatinus, Walk.

Group 1.

Corpus mediocre, metallicum, hirtum. Caput subtus densipilosum. Facies plana. *Mystax parvus*, setis paucis. Pross lanceolata. Antennarum articulus Ius 2o duplo longior; lanceolatus, lo paullo longior; arista 3o brevior. Thoracis a et scutellum setosa. Abdomen basi pilosum. Pedes hirti, spinosi; tarsi crassi, metatarsis subdilatatis; tibiae anteriores ex. Alæ abdomen superans. *Mas.* — Abdomen sublineare. *alia minima. Fem.* — Abdomen ob lanceolatum, apice subpresso.

Radial vein joining the subcostal at very far from the tip of the r. Cubital forked at very little beyond half its length; forks right, parallel, converging at their base, diverging at their tips. and second externo-medial veins nearly straight; third hardly red, forming an obtuse angle with the præbrachial, joining the h extremely far from the border. Subanal joining the anal from the border.

is iopterus, Wied.

Group 2.

Fæm. Corpus mediocre, gracile, fere nudum. Caput subitus sat dense pilosum. Facies apud epistoma convexa. Mystax et dense setosus. Proboscis sublanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o vix brevior, arista 3o multo longior. Thoracis latera setis paucis. Abdomen oblate, alas vix superans, apice compressum nitens laxe. Pedes sat graciles, breviter spinosi, parce pubescentes. Alæ longiusculæ.

Radial vein curved near its tip, joining the subcostal at a short distance from the tip of the latter. Cubital forked at very much beyond half its length; fore fork hardly undulating, curved at its base; hind fork nearly straight. First and second externo-medial veins very slightly undulating; third slightly curved, forming an obtuse angle with the præbrachial, joining the fourth rather far from the border. Subanal joining the anal at some distance from the border.

Asilus Gerion, Walk.

Group 3.

Mas. Corpus mediocre, dense hirtum. Caput subitus densissime pilosum. Facies convexa. Mystax densissime setosus, antenas attingens. Proboscis lanceolata. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o paullo longior; arista 3o brevior. Thoracis latera et scutellum setosa. Abdomen pilis longis hirtum, abdomen non superans. Sexualia mediocria, hirta. Pedes robusti, hirti, setosi.

Radial vein slightly curved near its tip, joining the subcostal near the tip of the latter. Cubital forked at much beyond half its length; fore fork nearly straight; hind fork slightly undulating. First and second externo-medial veins straight; third curved, forming a hardly obtuse angle with the præbrachial, which is slightly curved, joining the fourth far from the border. Subanal joining the anal at some little distance from the border.

Asilus Antiphus, Walk.

Group 4.

Fæm. Corpus parvum, tomentosum, non pilosum. Caput subitus pilosum. Facies apud epistoma convexa. Mystax parvus, setis paucis. Proboscis gracilis, linearis. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o paullo brevior; arista 3o multo longior. Thoracis latera et scutellum parce setosa. Abdomen oblate, thorace duplo longius, alas vix superans, apice compresso lævi nitido. Pedes validi, parce spinosi, non hirti.

bital vein forked at much before half its length ; fore fork undulating ; hind fork nearly straight. First and second medial veins hardly curved ; third slightly curved, forming an angle with the præbrachial, joining the fourth far from the latter. Subanal joining the anal very near the border.
ebes, *Walk.*

Group 5.

s. Corpus mediocre, parce hirtum. Caput subtus dense . Facies parum convexa. Mystax raro setosus. Proboscis ilis, linearis. Antennarum articulus Ius 2o duplo longior ; jonicus, 2o paullo longior ; arista 3o plus duplo longior. latera parce setosa. Abdomen sublineare, thorace non angius, alas non superans. Sexualia parva. Pedes robusti, inosi, non hirti. Alæ latiusculæ.

bital vein forked beyond half its length ; fore fork hardly undulating ; hind fork almost straight. First and second externo-medial veins almost straight ; third very slightly curved, forming an angle with the præbrachial, joining the fourth far from the latter. Subanal joining the anal near the border.

taletus, *Walk.*

Group 6.

s. Corpus mediocre, parce hirtum. Caput subtus dense . Facies parum convexa. Mystax vix dense setosus. . is sublanceolata. Antennarum articulus Ius 2o triplo 3us lanceolatus, 3o brevior ; arista 3o fere duplo longior. latera et scutellum setosa. Abdomen subcylindricum, plus duplo longius, alas superans ; latera basim versus Sexualia parva. Pedes validi, parce spinosi, vix hirti.

bital vein forked at hardly before half its length ; forks straight, with the exception of the obtuse angle by the base of the fore fork. First and second externo-medial veins very slightly curved, forming an obtuse angle with the præbrachial, joining the latter far from the border. Subanal joining the anal near the

angiusculus, *Walk.*

Group 7.

n. Corpus parvum, gracile, nudum. Caput subtus parce . Facies plana. Mystax setis paucissimis. Proboscis

RT III.

3 P.

gracilis, lanceolata. Antennarum articulus 1us 2o plus du
gior; 3us lanceolatus, lo paullo brevior; arista 3o multo
Thoracis latera setis paucissimis. Abdomen fere oblanc
thorace plus duplo longius, alas non superans, apice com
attenuatum acuminatum. Pedes graciles, nudi, spinis pau

Cubital vein forked at very much beyond half its length
nearly straight. First and second externo-medial vein
straight; third hardly curved, forming a very obtuse angle
præbrachial, joining the fourth very far from the border.
joining the anal near the border.

Asilus Mucius, Walk.

Group 8.

Fæm. Corpus parvum, tomentosum, non hirtum. Ca
tus pilosum. Facies plana. Mystax parvus, setis perpauc
boscis gracilis, linearis. Antennarum articulus 1us 2o plu
longior; 3us longiconicus, lo multo brevior; arista 3o fei
longior. Thoracis latera et scutellum setis paucis. Abdo
lanceolatum, thorace duplo longius, alas vix superans, apic
tum. Pedes validi, spinosi, non hirti.

Cubital vein forked at rather beyond its middle; it
slightly undulating; hind fork nearly straight. First and
externo-medial veins nearly straight; third hardly curved,
an obtuse angle with the præbrachial, joining the fourth f
the border. Subanal joining the anal near the border.

Asilus sexmaculatus, Walk.

Group 9.

Mas. Corpus mediocre, sat gracile, parce pubescens, i
tum. Caput subtus sat dense pilosum. Facies plana, ap
toma vix convexa. Mystax parvus, raro setosus. Proboscis
sublinearis. Antennarum articulus 1us 2o plus duplo long
lanceolatus, lo multo brevior; arista 3o plus duplo longior.
latera parce setosa. Abdomen oblanceolatum, thorace plu
longius, alas superans. Sexualia parva. Pedes validi, parc
fere nudi.

Radial vein nearly straight, joining the subcostal near
of the latter. Cubital forked at a little beyond half its leng
fork hardly curved, forming an obtuse angle at its base; hi
very slightly curved hindward. First and second extern
veins nearly straight; third hardly curved, forming a slightl

e with the præbrachial, joining the fourth very far from the
er. Subanal joining the anal very near the border.

as Calatinus, Walk.

123. ASILUS AMERICANUS.

'em. *Henescens*; *mystax flavus*; *pedes virides*, *tibiae postice testacea*; *alæ subcinereæ*.

honotus Americanus, Macq. Dipt. Exot. Suppl. 1, 87, 13.
zil.

124. ASILUS IOPTERUS.

'em. *Niger*; *thorax albo lineatus*; *abdomen*, *pedes et alæ cha- lybea*; *abdomen basi albo hirtum*.

lus iopterus, Wied.

zil.

125. ASILUS CÆRULEIVENTRIS.

Mas. Niger; *mystax albus*; *thorax albido tomentosus*; *abdomen cœruleo-nigrum*; *alæ hyalineæ*, *costa et apice cinereis*.

lus cœruleiventris, Macq. Dipt. Exot. Suppl. 1, 93, 52.
lombia.

126. ASILUS ABDOMINALIS.

Mas. Fulvescens; *antennæ nigræ*; *mystax albus*; *thorax nigro vittatus*; *abdomen album*; *pedes nigri*, *tibiis obscure rufescen- tibus*; *alæ nigro-violaceæ*.

lus abdominalis, Wied. Dipt. Exot. i. 185, 5; Auss. Zweifl. i. 432, 12.

th America.

127. ASILUS LUCTUOSUS.

lus. Ater; *abdomen apice fuscum*; *tibiæ tarsiique anteriora testacea*, *hi intus nigri*; *alæ violaceo-fuscae*.

us luctuosus, Macq. Dipt. Exot. i. 2, 146, 28.
zil.

128. ASILUS GERION.

us Gerion, Cat. of Diptera, Pt. 2, 433.
zil.

129. ASILUS AURIBARBIS.

Mas. et fem. *Niger*; *mystax niger*; *barba fulvida*; *thorax fulvus, nigro vittatus*; *abdomen incisuris albis*; *alæ flavcentes*; *mas. tibiae rufescentes*.

Asilus auribarbis, Hoffm.; Wied. Dipt. Exot. i. 186, 8; Auss Zweifl. i. 437, 19.

Brazil.

130. ASILUS HIMANTOCERUS.

Fœm. *Fuscus*; *mystax niger*; *antennæ ochraceo-fuscae*, *articul. 3o nigro compresso elongato*; *thorax vittis tribus nigro-fusca*, *abdomen nigro-fuscum, incisuris albis*; *pedes flavescentia fuso varii*; *alæ subflavescentes, dimidio costali fusco*.

Asilus himantocerus, Wied. Auss. Zweifl. i. 447, 34.

Brazil.

131. ASILUS NIGRINUS.

Mas. *Ater, cinereo pubescens*; *thorax vittis nigris*; *abdomen incisuris albis*; *alæ flavescente hyalinae*.

Asilus nigrinus, Macq. Dipt. Exot. Suppl. 3, 30, 64, pl. 3, f. 5.

Brazil.

132. ASILUS ALBIPILOSUS.

Mas. *Cinereus*; *mystax niger, subtus albus*; *thorax vittis fer contiguis nigris*; *abdomen nigrum, incisuris albidis*; *poda nigri, albo hirti, tibiis anticis intus fulvo tomentosis*; *alæ subflavescentes, apice margineque postico subflavescentes*.

Asilus albipilosus, Macq. Dipt. Exot. Suppl. 1, 92, 51.

Brazil. Bogotà.

133. ASILUS TATIUS.

Asilus Tatius, Diptera Saundersiana, Pt. 2, 148.

Colombia.

134. ASILUS HERDONIUS.

Asilus Herdonius, Diptera Saundersiana, Pt. 2, 140.

South America.

135. ASILUS GAMAXUS.

lus Gamaxus, Diptera Saundersiana, Pt. 2, 142.
lombia.

136. ASILUS LYCORIUS.

lus Lycorius, Diptera Saundersiana, Pt. 2, 143.
ith America.

137. ASILUS BARBATUS.

Viger; thorax rubro vittatus; mystax, abdominis apex et tibiae posticas albida.

*lus barbatus, Fabr. Ent. Syst. iv. 379, 12; Syst. Antl. 155, 7.
Wied. Dipt. Exot. i. 187, 9; Auss. Zweifl. i. 439, 22.*
uzil. Cayenne.

138. ASILUS EUPATOR.

lus Eupator, Diptera Saundersiana, Pt. 2, 147.
uzil.

139. ASILUS GAVIUS.

lus Gavius, Diptera Saundersiana, Pt. 2, 151.
uzil.

140. ASILUS SERVILLEI.

lus. Niger; facies flava; mystax supra niger; thorax cinereofuscus, vittis nigris; tibiae fulvæ, apice nigrae; alæ fuscescentes, basi pallidiores.

lus Servillei, Macq. Hist. Nat. Dipt. i. 313, 37.
uzil.

141. ASILUS LEBASII.

om. Cinereus; thorax flavidus nigro vittatus; abdomen nigricans, tessellatum; pedes nigri, tibiis rufis, metatarsis rufescens; alæ subflavescentes, areolarum posticarum disci cinereis.

lus Lebasii, Macq. Dipt. Exot. i. 2, 148, 34; Suppl. 1, 93, 53.
lombia.

142. ASILUS CONSANGUINEUS.

Fœm. *Niger; facies barbaque alba; mystax subtus flavus; thorax cinereus, vittis nigris; abdomen cinereo tomentosum; tibiae testaceæ; alæ subhyalinae apice posticeque cinereæ.*

Asilus consanguineus, Macq. Dipt. Exot. Suppl. 1, 93, 54.

Cayenne.

143. ASILUS GAYI.

Fœm. *Cinereus; antennarum articulo 3us elongatus; abdome vitta dorsali lata nigra, incisuris cinereis; pedes nigri, tibias rufis apice nigris; alæ hyalinae, apice subfuscæ.*

Asilus Gayi, Macq. Dipt. Exot. i. 2, 148, 35. Blanch. Gay, Hist. Fis. Chile, Zool. iii. 270, 1, pl. 2, f. 12.

Chili.

144. ASILUS ANTIPHUS.

Asilus Antiphus, Cat. of Diptera, Pt. 2, 443.

Brazil.

145. ASILUS HEBES.

Fœm. *Cinereus; caput et pectus cana; mystax parvus, supra nigris, subtus albidos; thorax vittis duabus dorsalibus maculisque sex lateralibus nigricantibus; abdominis segmentis maculis quadratis dorsalibus nigris; pedes obscure fulvi, femoribus nigris; alæ subcinereæ.*

Cinereous. Head and pectus hoary. Mystax with black bristles above and with whitish bristles beneath. Thorax with two dorsal blackish stripes, and on each side with three blackish spots. Abdominal segments with large subquadrate dorsal blackish spots which diminish in size towards the base; tip black, shining. Legs reddish tawny; coxae and femora black; tibiæ indistinctly marked with black. Wings grayish; veins black. Halteres testaceous. Length of the body $5\frac{1}{2}$ —6 lines; of the wings 9—10 lines.

a, b. Santarem, Brazil. From Mr. Bates' collection.

146. ASILUS BALETUS.

Asilus Baletus, Cat. of Diptera, Pt. 2, 427.

Venezuela.

147. ASILUS RUFIPALPIS.

Fem. *Ater; antennæ basi testaceæ; palpi rufi; abdomen cinereo pubescens; pedes castanei; alæ subcinereæ.*

Asilus rufipalpis, Macq. Dipt. Exot. i. 2, 146, 29.

Brazil.

148. ASILUS CTESICLES.

Asilus Ctesicles, Diptera Saundersiana, Pt. 2, 149.

South America.

149. ASILUS RUFINUS.

Mas. et fœm. *Rubidus; mystax flavidio-albus, setis supra nonnullis nigris; thorax flavidus, fusco vittatus; alæ flavescentes.*

Asilus rufinus, Wied. Zool. Mag. iii. 47, 8; Dipt. Exot. i. 189, 12; Auss. Zweifl. i. 441, 25.

Brazil.

150. ASILUS LEONIDES.

Asilus Leonides, Diptera Saundersiana, Pt. 2, 150.

Bio Janeiro.

151. ASILUS CARBONARIUS.

Mas et fœm. *Anthracinus; mystax flavidus, nonnunquam albidus; thorax vittis et abdomen incisuris subcinereis; alæ subflavescentes, apice infumatae.*

Asilus carbonarius, Wied. Auss. Zweifl. i. 454, 44.

Brazil.

152. ASILUS MACULARIS.

Mas et fœm. *Niger; mystax flavo-albus; thoracis latera helva; abdomen utrinque maculis niveis; alæ flavescentes. Mas.—Tibiæ flavidо-fuscae.*

Asilus macularis, Wied. Dipt. Exot. i. 193, 19; Auss. Zweifl. i. 447, 33. Macq. Dipt. Exot. i. 2, 147, 32.

Brazil.

153. ASILUS THERIMACHUS.

Asilus Therimachus, Diptera Saundersiana, Pt. 2, 137.

Brazil.

154. ASILUS LONGIUSCULUS.

Mas. *Cinereus*; *caput subtus et pectus albida*, *illum antice subauratum*; *mystax pallide flavus*; *thorax vittis tribus latissimis nigricantibus*, *lateralibus interrupitis*; *abdominis dorsum nigricans*, *marginibus posticis cinereis*, *apice nigro nitido*; *pedes nigri*, *tibias fulvis*; *ala* *fusca*; *halteres nigri*.

Cinereous. Head pale and slightly gilded in front, whitish and clothed with white hairs beneath. Thorax with three very broad blackish stripes; middle one subdivided; lateral pair obliquely interrupted. Abdomen blackish above; hind borders of the segments cinereous. Sexualia black, shining. Legs black; tibiae tawny. Wings brown; veins and halteres black. Length of the body 7 lines; of the wings 10 lines.

a. Santarem, Brazil. From Mr. Bates' collection.

155. ASILUS CLAVATUS.

Melleus; *antennae nigrae*, *basi fulvae*; *palpi fulvi*; *pedes flavi*, *femoribus supra nigricantibus*; *ala* *flavescentes*. *Mas.* — *Anus crassus*, *lamella cornea munitus*.

Asilus clavatus, Macq. Dipt. Exot. i. 2, 147, 30.

Brazil.

156. ASILUS TENUIS.

Mas. *Albidus*; *mystax albus*; *antennae nigrae*, *articulo 3o basi flavescente*; *thorax nigro vittatus*; *abdomen parum nigellum*; *pedes lutei*, *femoribus supra nigris*, *posticis fascia apicali nigra*; *ala limpida*, *apice et margine postico cinereis*.

Asilus tenuis, Wied. Auss. Zweifl. i. 448, 35.

Brazil.

157. ASILUS MELLIPES.

Mas. *Cinereus*; *mystax flavescentis*; *antennae nigrae*; *thorax nigro vittatus*; *abdomen fuscum*, *utrinque canescens*; *pedes flavi*, *tibias posticis femoribusque nigro vittatis*; *ala subflavescentes*.

Asilus mellipes, Wied. Auss. Zweifl. i. 452, 41.

Brazil.

158. ASILUS MUCIUS.

*Ius Mucius, Cat. of Diptera, Pt. 2, 463.
ante Video.*

159. ASILUS HILARII.

*Ater; barba alba; abdominis incisuræ albidae; pedes mollei,
femoribus tibiisque apice tarsisque nigris; alæ subflavescentes.
Ius Hilarii, Macq. Dipt. Exot. i. 2, 147, 31.
zil.*

160. ASILUS 6-MACULATUS.

*♂em. Canus; caput subtus albo pilosum; mystax setis paucis
albidis; thorax vittis duabus dorsalisbus maculisque sex late-
ralibus nigricantibus; abdomen pubescens; pedes fulvi, femo-
ribus posterioribus apice nigricantibus, tarsis nigricantibus
basi fulvis; alæ subcinereæ.*

Hoary. Head clothed beneath with white hairs. Mystax small, h whitish bristles. Antennæ black. Thorax with two dorsal chik stripes, and on each side with three blackish spots. Abdomen slightly pubescent; tips black, shining. Legs tawny; hind si, and tips of the posterior femora, of the hind tibiae, and of the erior tarsi, black. Wings slightly grayish; veins black. Halæ testaceous. Length of the body 5 lines; of the wings 9 s.

Bantarem, Brazil. From Mr. Bates' collection.

161. ASILUS LUTIPES.

*♂em. Cinereus; mystax albidus; antennæ luteæ; thorax vittis
tribus fuscantibus; abdomen glaucescens; pedes lutei,
femoribus tibiisque posticis apice fuscis; alæ sublimpidæ.
us lutipes, Wied. Auss. Zweifl. i. 454, 45.
zil.*

162. ASILUS COLOMBIAE.

*♂em. Ater; antennæ basi, pedes, abdominisque segmenta 2um et
3um apud margines posticos testaceæ; alæ flavidæ, apice
fuscaneæ.
us Colombiæ, Macq. Dipt. Exot. i. 2, 148, 33.
mbia.*

163. ASILUS CALATINUS.

*Asilus Calatinus, Cat. of Diptera, Pt. 2, 436.
Brazil.*

Canary Isles.

A. Alæ non flavescentes.

- A. *Mystax niger*. - - - - fuscus, Macq.
 - B. *Mystax albo-nigroque mixtus*. - fuscifemoratus, Macq.
 - C. *Mystax niger, subtus parum albus*. - nigrifemoratus, Macq.
 - D. *Mystax albus, supra parum niger*. - dimidiatus, Macq.
- B. Alæ subflavescentes. - - - - Saulcyi, Macq.

164. ASILUS FUSCUS.

Mas. *Nigricans; facies nigra, cinereo micans; barba alba; mystax niger; thorax cinereus, nigro vittatus; abdomen nigrum, incisuris albis; pedes nigri, tibiali posticis intus rufi pubescensibus, metatarsio testaceo; alæ obscure, disco subhyalinae.*

Asilus plebeius, var.?

Asilus fuscus, Macq. Hist. des Iles Canaries, de Webb et Berthelot; Dipt. Exot. i. 2, 139, 11.

165. ASILUS FUSCIFEMORATUS.

Mas. *Cinereus; barba alba; mystax albo-nigroque mixtus; thorax fusco vittatus; abdomine nigrum, cinereo micans, incisuris albidis; pedes testacei, femoribus ante nigricantibus; de apice subobscurea.*

Asilus fuscifemoratus, Macq. Hist. des Iles Canaries, de Webb et Berthelot; Dipt. Exot. i. 2, 139, 10.

166. ASILUS NIGRIFEMORATUS.

Cinereus; facies barbaque albicantes; mystax niger, subtus parum albus; antennæ nigrae; thorax fusco vittatus; abdomen nigro micans, incisuris albis; pedes testacei, postici nigri; alæ apice subfuscæ.

Asilus nigrifemoratus, Macq. Hist. Nat. des Iles Canaries, de Webb et Berthelot; Dipt. Exot. i. 2, 138, 9.

Asilus varipes, var.?

167. ASILUS DIMIDIATUS.

Mas. *Cinereus; barba alba; mystax albus, supra parum niger; thorax nigro vittatus; abdomen fusco micans, incisuris albidis; pedes rufi; femoribus apice nigris, tarsis nigris basi rufis. Long. 4½ lin.*

Asilus dimidiatus, Macq. Hist. des Iles Canaries, de Webb et Berthelot; Dipt. Exot. i. 2, 140, 12.

Asilus striatus, Meig., var.?

168. ASILUS SAULEYI.

Fem. *Ater; mystax abdominis incisuræ albæ; pedes rufi, femoribus nigris; alæ subflavescentes.*

Asilus Sauleyi, Macq. Dipt. Exot. i. 2, 150, 39.

St. Lorenzo, Canary Isles.

Africa.

Group LOPHONOTUS.

A. *Mystax niger.*

A. *Venæ cubitalis et externo-media 1a non conjunctæ.*

A. *Corpus æneum, aut subæneum.*

a. *Alæ subcinereæ. - - - - - nigricans, Wied.*

b. *Alæ subflavescentes. - - - - - comatus, Wied.*

B. *Corpus non ænescens. - - - - - pellitus, Wied.*

B. *Venæ cubitalis et externo-media 1a conjunctæ. heteroneurus, Macq.*

B. *Mystax albus, nigro varius.*

A. *Alæ limpidae.*

a. *Abdomen maculis trigonis. - - - - - suillus, Fabr.*

b. *Abdomen vitta nigella. - - - - - molitor, Wied.*

c. *Abdomen unicolor. - - - - - Isse, Walk.*

B. *Alæ subfulvæ. - - - - - Ladon, Walk.*

C. *Mystax rufus, nigro limbatus. - - - - - rufus, Macq.*

D. *Mystax flavus, nigro limbatus. - - - - - flavibarbis, Macq.*

E. *Mystax albus, nigro limbatus.*

A. *Corpus ænescens.*

a. *Venæ externo-medie 3a et 4a ad marginem conjunctæ. incisuralis, Macq.*

b. *Venæ externo-medie 3a et 4a ante marginem conjunctæ. forcipatus, Macq.*

B. *Corpus non ænescens. - - - - - geniculatus, Macq.*

?. *Mystax flavus.*

- A. Tibiæ nigrae.**
- A.** Corpus submetallicum. - - - chalcogaster, Wied.
 - B.** Corpus non metallicum. - - - Abuntius, Walk.
- B. Tibiæ rufæ, apicē nigrae.**
- A.** Alæ flavescentes. - - - tibialis, Macq.
 - B.** Alæ limpidae. - - - Noas, Walk.
- C. Tibiæ tarsique obscure fulva.** - - - Amazœnes, Walk.
- D. Pedes fusti.** - - - Phœax, Walk.
- G. Mystax flavescente albus.** - - - Aphellas, Walk.
- H. Mystax albus.**
- A.** Femora subtus testacea. - - - albobarbis, Macq.
 - B.** Femora tota nigra.
 - a.** Abdomen fuscum, fasciis canis. - Androclea, Walk.
 - b.** Abdomen non fasciatum. - Paron, Walk.

Sub-group 1.

Macq. Corpus angustum. Caput subitus densissime pilosum. Facies convexa. *Mystax* densissime setosus, usque ad antennas ascendens. Proboscis crassa, lanceolata. Thorax subcompressus, carinatus. Abdomen thorace multo longius. Sexualia longa; for- ceps rectus, utrinque furcatus. Pedes validi, hirti, spinis crassis breviusculis; femora incrassata.

Radial vein as usual. Cubital vein forked at two-thirds of its length; forks nearly straight. First externo-medial vein much curved near its base; second straight; third forming a slightly acute angle with the præbrachial, joining the fourth rather far from the border. Subanal joining the anal at some distance from the border.

Asilus chalcogaster, Wied.

Sub-group 2.

Cubital vein forked at a little before two-thirds of its length; forks nearly straight, diverging. First externo-medial vein curved near the base; second straight; third very slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth not far from the border. Subanal joining the anal near the border.

Asilus Noas, Walk.; A. Isse, Walk.; A. Amazœnes, Walk.; A. Aphellas, Walk.

Sub-group 3.

Cubital vein forked at a little beyond two-thirds of its length; forks nearly straight. First and second externo-medial veins

straight; third very slightly curved, forming an almost right angle with the præbrachial, joining the fourth far from the border. Sub-anal joining the anal near the border.

Asilus Abuntius, Walk.

Sub-group 4.

Cubital vein forked at much beyond half its length; forks nearly straight. First and second externo-medial veins nearly straight; third slightly curved, forming a very slightly obtuse angle with the præbrachial, joining the fourth far from the border. Sub-anal joining the anal close to the border.

Asilus Paron, Walk.

160. *ASILUS NIGRICANS*.

Fœm. *Æneo-nigellus*; *mystax niger*; *antennæ nigrae*; *thorax nigro cristatus*; *abdomen maculis trapezoideis æneis*; *tibiæ basi rufescentes*; *ala subcinerea*.

Asilus nigricans, Wied. Dipt. Exot. i. 195, 23; Auss. Zweifl. i. 453, 43.

Cape.

161. *ASILUS COMATUS*.

Fœm. *Ænescens*; *mystax niger*; *antennæ nigrae*; *thorax flavidus, cristatus, vitta lata fusca*; *abdomen flavo-fuscum, vitta e maculis nigro-æneis*; *ala subflavescentes*.

Asilus comatus, Wied. Dipt. Exot. i. 193, 20; Auss. Zweifl. i. 449, 37.

Cape.

162. *ASILUS PELLITUS*.

Mas. et fœm. *Niger, cervino hirtus*; *mystax niger*; *antennæ nigrae*; *thoracis crista cervina, vitta nigra*; *abdominis vitta et incisuræ nigrae*; *ala limpidæ, apice subflavescentes*.

Asilus pellitus, Wied.

Cape.

163. *ASILUS HETERONEURUS*.

Mas. *Æneus, cinereo pubescens*; *pedes nigris*; *ala macula fusca*; *venæ cubitalis et externo-media la conjunctæ*.

Lophonotus heteroneurus, Macq. Dipt. Exot. i. 2, 128, 7, pl. 10, f. 4.

Cape.

164. ASILUS SUILLUS.

Fœm. *Nigellus, albido hirtus; mystax albus, setis pluri nigris; thorax crista nigra; abdomen maculis trigonis; tibiæ castaneo-fuscae; alæ limpidae.*

Dasypogon suillus, Fabr.

Lophonotus suillus, Macq. Dipt. Exot. i. 2, 126, 3, pl. 10, f. 7.

Cape.

165. ASILUS MOLITOR.

Mas. *Canus; albo pilosus; mystax albus, setis supra nonnul. nigris; antennæ nigrae; thorax fusco vittatus; abdomen tri-nigella; tibiæ basi rufescentes; alæ limpidae.*

Asilus molitor, Wied.

Cape.

166. ASILUS ISSE.

Asilus Isse, Cat. of Diptera, Pt. 2, 449.

South Africa.

167. ASILUS LADON.

Asilus Ladon, Cat. of Diptera, Pt. 2, 412.

South Africa.

168. ASILUS RUFUS.

Mas. *Æneus, rufo hirsutus; mystax rufus nigro limbatus; tibiæ posteriores extus flavæ; alæ flavescentes.*

Lophonotus rufus, Macq. Dipt. Exot. i. 2, 129, 9, pl. 10, f. 6.

Cape.

169. ASILUS FLAVIBARBIS.

Mas. *Ænescens, flavidò pubescens; mystax flavus-nigro limbatus; tibiæ basi castanea; alæ hyalinae.*

Lophonotus flavibarbis, Macq. Dipt. Exot. i. 2, 127, 4.

Cape.

170. ASILUS INCISURALIS.

Mas. *Ænescens, albido pubescens; mystax albus, nigro limbatus; abdominis incisuræ albidae; forceps brevis; alæ hyalinae; venis externo-mediis 3a et 4a ad marginem conjunctis.*

Lophonotus incisuralis, Macq. Dipt. Exot. i. 2, 128, 6.

Cape.

171. ASILUS FORCIPATUS.

[as. *Aenescens, cinereo pubescens; mystax albus, nigro limbatus; abdominis incisuræ albidae; genua testacea; alæ subhyalinae, venis externo-mediis 3a et 4a ante marginem conjunctis.*

honotus forcipatus, *Macq. Dipt. Exot. i. 2, 127, 5, pl. 10, f. 5.*
e.

172. ASILUS GENICULATUS.

cœm. *Nigellus, cinereo pubescens; mystax albidus, nigro limbatus; pedes viridi nigri, tibiis basi fulvis; alæ hyalinae, areolarum marginalium et posticorum discis cinereis.*

honotus geniculatus, *Macq. Dipt. Exot. i. 2, 129, 8.*
e.

173. ASILUS CHALCOGASTER.

[as. et fœm. *Aeneus; mystax aureo-flavus; antennæ nigrae; thorax nigro cristatus; tibiæ basi castaneo-fuscæ; alæ subflavescentes.*

us chalcogaster, *Wied. Zool. Mag. iii. 35, 50; Dipt. Exot. i. 189, 13; Auss. Zweifl. i. 442, 26.*

♂ape. From Mr. Saunders' collection.

ar.? *Aenescens, cinereo pubescens; mystax aurantiacus; abdominis forceps elongatus; alæ flavescentes.*

honotus auribarbis, *Macq. Dipt. Exot. i. 2, 126, 1, pl. 10, f. 3.*
e.

174. ASILUS ABUNTIUS.

us Abuntius, *Cat. of Diptera, Pt. 2, 447.*

th Africa.

175. ASILUS TIBIALIS.

cœm. *Viridi-niger; flavo pilosus; pedes nigri, tibiis rufis apice nigris; alæ flavescentes, areola 4a postica obliqua.*

honotus tibialis, *Macq. Dipt. Exot. i. 2, 126, 2.*
e.

176. ASILUS NOAS.

Asilus Noas, *Cat. of Diptera*, Pt. 2, 448.

South Africa.

177. ASILUS AMAZENES.

Asilus Amazenes, *Cat. of Diptera*, Pt. 2, 447.

South Africa.

178. ASILUS PHŒAX.

Asilus Phœax, *Cat. of Diptera*, Pt. 2, 412.

South Africa.

179. ASILUS APHELLAS.

Asilus Aphellas, *Cat. of Diptera*, Pt. 2, 447.

South Africa.

180. ASILUS ALBIBARBIS.

Fœm. *Niger*; *barba mystaxque alba*; *pedes testaci*, *femoribus supra nigris*; *alæ subhyalinæ*.

Lophonotus albibarbis, *Macq. Dipt. Exot. Suppl.* 1, 87, 12.

Cape.

181. ASILUS ANDROCLEA.

Asilus Androclea, *Cat. of Diptera*, Pt. 2, 411.

South Africa.

182. ASILUS PARON.

Asilus Paron, *Cat. of Diptera*, Pt. 2, 450.

South Africa.

A. *Mystax ferrugineo-nigroque varius*. - - - Schedius, *Wall.*

B. *Mystax albo-nigroque varius*.

A. *Pedes nigri*.

A. *Tibiæ basi testaceæ*. - - - fusco-cinereus, *Macq.*

B. *Tibiæ posticæ rufæ*. - - - periscelis, *Macq.*

c. *Tibiæ subtestaceæ*. - - - incisuralis, *Macq.*

B. *Pedes fulvi, extus fusco-castanei*. - Ägyptius, *Macq.*

C. *Mystax niger, subtus flavus*.

A. *Alæ hyalinæ*. - - - forficula, *Macq.*

- B.** Alæ flavescentes, apice fuscescentes. - *nigribarbis, Macq.*
D. *Mystax rufus.* - - - - *hirtipes, Macq.*
- E.** *Mystax flavus aut flavescentis.*
- A.** *Pedes nigro-aenei, tibiis testaceis.* - - - *flavo-pilosus, Macq.*
 - B.** *Pedes badii.* - - - - *brunnipes, Fabr.*
 - C.** *Pedes ferruginei, femoribus nigro vittatus.* *Scaurus, Walk.*
 - D.** *Pedes fulvi.* - - - - *dubius, Macq.*
- F.** *Mystax albus aut albidus.*
- A.** *Alæ macula apicali fusca.* - - - - *acrobaptus, Wied.*
 - B.** *Alæ non maculatae.*
 - A.** *Abdomen fusco maculatum.* - - - - *dorsiger, Wied.*
 - B.** *Abdomen non maculatum.*
 - a.** *Corpus flavidum.* - - - - *Osiris, Wied.*
 - b.** *Corpus cinereum aut albidum.*
- E.** *Pedes ex parte pallidi.*
- i. *Femora et tibiae apice nigra.* - - *bipartitus, Macq.*
 - ii. *Femora nigro vittata.* - - - - *femoralis, Wied.*
- F.** *Pedes cinerei.* - - - - *Alastor, Walk.*
- G.** *Mystax —?* - - - - *Tangeri, Boisd.*

Group 1.

Corpus magnum. Caput densissime pilosum. Facies valde convexa. Mystax dense setosus. Proboscis lanceolata. Antennarum articulus 1us 2o longior; 3us lanceolatus, 1o et 2o conjunctim æqualis; arista valida, 3o multo brevior. Thorax et abdominis incisuræ setis lateralibus albis. Abdomen subcylindricum, thorace duplo longius. Pedes validi, hirti, albo spinosi. Mas.—Abdomen sublineare. Sexualia parva, hirta. Fæm.—Abdomen oblanceolatum, apice compresso lèvi nitido.

Cubital vein forked at very much beyond half its length; fore fork almost straight; hind fork slightly undulating. First and second externo-medial veins straight, excepting a very obtuse angle near the base of the first; third slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Asilus Scaurus, Walk.

Group 2.

Mas. Corpus mediocre, fere nudum. Caput subtus pilosum. Facies fere plana. Mystax parce setosus. Proboscis sublinearis. Antennarum articulus 1us 2o multo longior; 3us lanceolatus, 1o vix longior; arista sat valida, 3o vix brevior. Thorax setis paucis

lateralibus et poeticis. Abdomen gracile, suboblateolatum, thorace duplo longius, incisuris utrinque parce setosis. Sexualia minima. Pedes validi, spinosi, parce hirti.

Wings ribbed transversely, and slightly dilated in front along the stigma. Cubital vein forked at a little before two-thirds of its length; fore fork slightly undulating; hind fork nearly straight. Extero-medial veins nearly straight; third forming an obtuse angle with the *præbrachial*, joining the fourth very far from the border. Subanal joining the anal near the border. Discal areolet very narrow, except at each end, on account of the curve of the *præbrachial* hind fork.

Asilus dubius, Macq.

Group 3.

Fæm. Corpus gracile, fere nudum. Caput subtus pilosum. Facies plana. *Mystax parvus, setis paucis. Proboscis gracilis, linearis. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, lo vix brevior; arista 3o paullo longior. Thoracis latera setis paucis. Abdomen longi-oblateolatum, thorace triplo longius. Pedes graciles, breviusculi, parum spinosi.*

Radial vein curved at its tip. Cubital forked at before half its length; fore fork forming at its base a slightly obtuse angle, which emits a branch, hardly curved from thence to its tip; hind fork curved towards the first extero-medial, and joining it close to the border. First and second extero-medial veins nearly straight; third slightly curved, forming an obtuse angle with the *præbrachial*, joining the fourth far from the border. Subanal joining the anal very near the border.

Asilus femoralis, Wied.

Group 4.

Mas. Corpus longiusculum, fere nudum. Caput ademptum. Thoracis latera et abdomen setis paucis. Abdomen vix oblateolatum, apice fasciculatum, thorace plus duplo longius. Sexualia parva. Pedes graciles, setosi, vix hirti.

This differs much from the other groups of *Asilus*, and may possibly belong to another genus.

Radial vein joining the subcostal very far from the tip of the latter. Cubital forked at about two-thirds of its length; fore fork nearly straight, joining the subcostal very near the tip of the latter;

hind fork and first externo-medial vein slightly curved forward, and parallel to each other; second externo-medial nearly straight; third forming a slightly acute angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal far from the border.

Asilus Alastor, Walk.

183. **ASILUS SCHEDIUS.**

Asilus Schedius, Cat. of Diptera, Pt. 2, 430.

South Africa.

184. **ASILUS FUSCO-CINEREUS.**

Mas. *Fusco-cinereus*; *abdomen micans*, linea dorsali nigra, incisuris cinereis; *pedes nigri*, tibiis basi testaceis; *alæ flavescentes*, apice subfuscæ.

Asilus fusco-cinereus, Macq. Dipt. Exot. i. 2, 137, 7; Explor. Scient. Alg. iii. Ins. 440, 73.

Algiers.

185. **ASILUS PERISCELIS.**

Cinereo-flavescens; *mystax nigro-alboque varius*; *barba alba*; *thorax vittis nigris*; *abdomen nigrum, cinereo tomentosum*; *pedes nigri*, tibiis posticis rufis; *alæ limpidae, apice cinereæ*; *halteres flavi*.

Asilus periscelis, Macq. Expl. Scient. Alg. iii. Ins. 442, 79, pl. 3, f. 3.

Algeria.

186. **ASILUS INCISURALIS.**

Mas. *Ater*; *thorax cinereus, nigro vittatus*; *abdomen basi incisurique albidis*; *tibiæ subtestaceaæ*; *alæ fuscanæ, dilatataæ*.

Asilus incisuralis, Macq. Dipt. Exot. i. 2, 140. 13.

Cape.

187. **ASILUS AEGYPTIUS.**

Mas. *Ater*; *abdominis incisuræ albidae*; *anus fulvus*; *pedes fulvi, extus fusco-castanei*; *alæ hyalinæ, apice subcinereæ*.

Asilus Aegyptius, Macq. Dipt. Exot. i. 2, 137, 5.

Egypt.

188. ASILUS FORFICULA.

Niger; mystax subtus flavus; antennæ basi testaceæ; thorax cinereus, vittis nigris; abdomen cinereo tomentosum; pede fulvi; alæ hyaline.

Asilus forficula, Macq. Dipt. Exot. Suppl. 1, 90, 45, pl. 8, f. 16.
Caffraria.

189. ASILUS NIGRIBARBIS.

Fœm. *Flavo tomentosus; mystax niger, setis nonnullis inferioribus flavescentibus; thorax nigro-fusco vittatus, margine postico scutelloque albo pilosis; abdomen nigro-cinereum, maculù dorsalibus violaceo nigris; pedes fulvi, hirsuti, femoribus nigro-aeneis; alæ flavescentes, apice fuscescentes.*

Asilus nigribarbis, Macq. Dipt. Exot. Suppl. 1, 88, 43.
Caffraria.

190. ASILUS HIRTIPES.

Niger; mystax barbaque rufa; abdomen vitta dorsali flava ornatum; pedes hirti, tibiis testaceis apice nigris, tarsis basi testaceis; alæ subrufescentes, venarum discis fuscescensibus; halteres fulvi.

Asilus hirtipes, Macq. Expl. Scient. Alg. iii. Ins. 440, 72, pl. 2, f. 9.
Algeria.

191. ASILUS FLAVO-PILOSUS.

Flavidus; mystax barbaque flava; thorax vittis nigris; abdomen nigrum; pedes nigro-aenei, tibiis testaceis; alæ limpidae, areolarum posticarum discis subcinereis.

Asilus flavo-pilosus, Macq. Expl. Scient. Alg. iii. Ins. 441, 75.
Algeria.

192. ASILUS BRUNNIPES.

Fœm. *Flavo virens; mystax flavescentes; antennæ flavo-cinerea, apice nigrae; abdominis incisure gilvae; pedes badii; alæ limpidae, apice subcinereæ, costa subflavescentes.*

Asilus brunnipes, Fabr. Ent. Syst. iv. 384, 35. Coqueb. Ill. Icon. 114, pl. 25, f. 24. Wied. Auss. Zweifl. i. 428, 6.
Barbary.

193. ASILUS SCAURUS.

Asilus Scaurus, *Cat. of Diptera*, Pt. 2, 464.

Tripoli.

194. ASILUS DUBIUS.

Flavidus; *mystax flavus*; *antennæ nigrae*, *basi testaceæ*; *thorax vittis nigris*; *abdomen maris cinereum*, *fem. vitta dorsali nigra*; *pedes fulvi*; *alæ maris rufescentes dilatatae*, *fem. hyalinæ*.

Asilus dubius, *Macq. Dipt. Exot. Suppl.* 1, 89, 44, pl. 8, f. 15.

Connects *Asilus* with *Erax*.

South Africa.

Var.? Mas. *Cinereus*; *caput subtus albo pilosum*; *mystax albido testaceus*; *thorax vitta dorsali interlineata duabusque lateralibus interruptis nigro-fuscis*; *abdomen vitta dorsali interrupta nigra-fusca*; *pedes fulvi*, *femoribus extus tarsisque nigris*; *alæ sublimpidæ*, *antice et apud venas subfuscantes*.

Male. Cinereous. Head whitish, and with whitish hairs behind and beneath. Mystax with whitish testaceous bristles. Antennæ black. Thorax with three blackish brown stripes; the middle one divided; the lateral pair interrupted. Abdomen with an interrupted dorsal brown-bordered black stripe; tip clothed beneath with yellowish hairs. Legs tawny; femora on the outer side and tarsi black. Wings slightly brownish, nearly tipped at the base and along most of the hind border; veins black, ferruginous at the base. Halteres pale yellow. Length of the body 7 lines; of the wings 11 lines.

♂. Port Natal. From M. Gueinzius' collection.

195. ASILUS ACROBAPTUS.

Mas. *Canescens*; *mystax albus*; *antennæ nigrae*; *thorax vittatus*; *abdomen nigrum*, *marginibus fasciisque canis*; *tibiae rufescentes*; *alæ subflavescentes*, *macula apicali fusca*.

Asilus acrobaptus, *Wied. Auss. Zweifl.* i. 449, 36.

♂Cape.

196. ASILUS DORSIGER.

Fœm. *Canescens*; *mystax albus*; *antennæ nigræ*; *thorax vittatus*; *abdomen e maculis subrhomboidalibus fuscis vitta incisuris albis*; *pedes rufescentes, femoribus supra nigris; limpidae, venis flavidio marginatis.*

Asilus dorsiger, Wied. Auss. Zweifl. i. 436.

Egypt.

197. ASILUS OSIRIS.

Fœm. *Flavidus*; *mystax albus*; *antennæ nigræ*; *thorax media latissima distinctissima nigella*; *abdominis incerto situ albidae*; *pedes nigelli, tibiis basi rubidis; alepidiae, apice fusco-cinereæ.*

Asilus Osiris, Wied. Auss. Zweifl. i. 452, 42.

Egypt.

198. ASILUS BIPARTITUS.

Albidus; *mystax barbaque albida*; *thorax vittis nigris; abd cinereo-fuscanum*; *femora tibiae antice nigra, postitacea; ale sublimpidae, apice cinereæ; halteres testacei.*

Asilus bipartitus, Macq. Expl. Scient. Alg. iii. Ins. 442, 78, f. 2.

Algeria.

199. ASILUS FEMORALIS.

Cinereus; *antennæ rufescentes*; *thorax vitta et utrinque fuscis*; *pedes rufescentes, femoribus nigro vittatis; alepidiae.*

Asilus femoralis, Wied.

Egypt.

200. ASILUS ALASTOR.

Asilus Alastor, Cat. of Diptera, Pt. 2, 444.

South Africa.

201. ASILUS TANGERI.

Ferrugineus; *thorax vitta dorsali striisque lateralibus nigri fuscescentes.*

Asilus Tangeri, Boisd. Voy. de l'Astrolabe, Atlas Ent. pl. 12, Algeria.

Mauritius.

Group LOPHONOTUS.

202. ASILUS BREONII.

Mas. *Nigellus, cinereo pubescens; mystax albidus; abdominis incisuræ albidae; alæ flavescentes.*

Lophonotus Breonii, Macq. Dipt. Exot. i. 2, 129, 10.

Mauritius.

Asia, Arabia.

203. ASILUS ARABICUS.

Cinereus; antennæ nigrae, basi rufæ; pedes rufi; alæ subflavescentes, apice cinereas.

Asilus Arabicus, Macq. Dipt. Exot. i. 2, 136, 4.

Arabia.

Persia.

204. ASILUS LONGITARSIS.

Fem. *Albidus; scutellum cinereum; abdomen rufum; pedes nigri, gracilis; alæ hyalinae.*

Asilus longitarsis, Macq. Dipt. Exot. i. 2, 140, 14.

Persia.

205. ASILUS LUCIDUS.

Orichalceo micans; mystax flavescens, setis supra nonnullis nigris; thorax fusco trivittatus; pedes picei, tibiis basi badiis; alæ vix flavescentes.

Asilus lucidus, Wied. Zool. Mag. ii. 30; Dipt. Exot. i. 184, 3; Auss. Zweifl. i. 429, 7.

Persia.

206. ASILUS PALLENS.

Mas. *Cinereus; mystax flavescens; antennæ nigrae; basi flavescentes; thorax vitta gemina fusco utrinque in nodum dilatata; abdomen flavescens; pedes helvoli; alæ limpidæ, apice subcinereæ.*

Asilus pallens, Pallas; Wied. Zool. Mag. ii. 2; Dipt. Exot. i. 194, 21; Auss. Zweifl. i. 451, 39.

Deserts to the South of the Caspian Sea.

East Indies, Java, Sumatra, China.

- A. *Mystax niger.*
- A. *Pedes rufi.* - - - - - *opulentus, Walk.*
 - B. *Pedes nigri.* - - - - - *atratus, Walk.*
- B. *Mystax niger, fulvo aut flavo varius.* - - - *clavipes, Macq.*
- C. *Mystax albidus, nigro varius.* - - - *appendiculatus, Macq.*
- D. *Mystax aureus, flavus, aut flavidо-albus.*
- A. *Alæ flavæ aut subflavæ, apice obscuriores.*
 - A. *Femora nigra.* - - - - - *flavescens, Fabr.*
 - B. *Femora nigro vittata.* - - - - - *Philus, Walk.*
 - C. *Femora pallida.*
 - a. *Abdomen atrum, fulvo fasciatum.* - - *longistylus, Wied.*
 - b. *Abdomen fuscum, incisuris flavidis.* *Bengalensis, Macq.*
 - Abdomen fulvum, apice fuscanum.* - - *nudipes, Macq.*
 - B. *Alæ flavescentes.* - - - - - *Chinensis, Fabr.*
 - C. *Alæ limpidae, venis flavo-fusco limbatis.* - - *penultimus, Walk.*
 - D. *Alæ limpidae, vix flavescentes.* - - - - - *xanthopus, Wied.*
 - E. *Alæ limpide aut sublimpidæ.*
 - A. *Femora nigra.* - - - - - *bifidus, Fabr.*
 - B. *Femora nigra, ferrugineo varia.* - - - - - *Congedus, Walk.*
 - C. *Femora flava.*
 - a. *Antennæ nigræ.* - - - - - *griseus, Wied.*
 - b. *Antennæ rufæ, apice nigræ.* - - - - - *Duvaucelii, Macq.*
 - E. *Mystax cinereus.* - - - - - *pusio, Wied.*
 - F. *Mystax cinereo-albidus.* - - - - - *annulatus, Fabr.*
 - G. *Mystax albus, aut albidus.*
 - A. *Antennæ nigræ.*
 - A. *Alæ subflavescentes.* - - - - - *agilis, Wied.*
 - B. *Alæ hyalinæ.*
 - a. *Thorax vitta fusca.* - - - - - *lætus, Wied.*
 - b. *Thorax non vittatus.* - - - - - *trifarius, Macq.*
 - B. *Antennæ fulvæ, aut flavæ.*
 - A. *Alæ subfulvæ.* - - - - - *Iamenus, Walk.*
 - B. *Alæ hyalinæ.*
 - a. *Thorax cinereus.* - - - - - *flavicornis, Macq.*
 - b. *Thorax fuscus, lateribus fulvis, aut canis.*
 - i. *Femora nigro vittata.* - - - - - *paterculus, Walk.*
 - ii. *Femora non vittata.* - - - - - *præfiniens, Walk.*
 - c. *Thorax fuscus, vittis quinque fulvis.* - - *Barium, Walk.*

Group 1.

Fæm. Corpus parvum, gracile. Caput subtus parce pilosum. Facies parum convexa. Mystax dense setosus, ad antennas fere cendens. Proboscis lanceolata. Antennarum articulus 1us 2o iplo longior; 3us lanceolatus, 1o non longior; arista 3o vix longior. Abdomen oblateolatum, thorace duplo longius, alas non operans, apicem versus compressum et substylatum. Pedes validi, inosi, parce hirti; antici longissime spinosi.

Cubital vein very long, forked at much before half its length; fore fork nearly straight; hind fork slightly undulating. Externomedial veins nearly straight; third forming an obtuse angle with the pæbrachial, joining the fourth far from the border. Subanal ining the anal near the border.

silus atratulus, Walk.

Group 2.

Fæm. Corpus latum, dense hirtum. Caput subtus pilosum. Facies subconvexa. Mystax sat dense setosus. Proboscis crassa, neolata. Abdominis dimidium basale obconicum, thorace non longius; dimidium apicale stylatum. Pedes crassi, spinosi, parce riti.

Radial vein straight, curved at its tip, joining the subcostal at some distance from the tip of the latter. Fore fork of the cubital hardly undulating; hind fork rather deeply undulating. First sterno-medial curved near the base; second almost straight; third slightly curved, forming a slightly obtuse angle with the pæbrachial, ining the fourth at some distance from the border. Subanal ining the anal at some distance from the border.

silus Philus, Walk.

Group 3.

Corpus mediocre aut majuscum, fere nudum. Caput subtus parce pilosum. Facies subconvexa. Mystax parce setosus. Proboscis gracilis, lanceolata. Antennarum articulus 1us 2o plus iplo longior; 3us lanceolatus, 1o multo brevior; arista 3o duplo longior. Thoracis abdominisque latera parce setosa. Thorax abdome duplo latius. Abdomen oblateolatum, thorace fere iplo longius, alas superans. Pedes robusti, spinosi, parce hirti. lœ dilatatæ; venæ costalis et subcostalis conjunctæ. *Mas.*—

PART III.

3 R

Sexualia parva; forceps gracilis, subarcuatus. *Fem.* — Abdomen apice acuminatum non compressum.

Wings dilated and ribbed transversely in front beyond the middle; costal and subcostal veins united. Radial vein undulating, incrassated before the middle. Cubital vein incrassated from the base to the fork, forked at rather beyond half its length; forks slightly undulating; hind fork joined by an incrassated veinlet with the fore fork of the praebasital; hind fork of the praebasital much curved, whereby the middle of the discal areolet is much straightened. First and second externo-medial veins straight; third curved, forming a very obtuse angle with the praebasital, joining the fourth far from the border. Subanal joining the anal near the border.

Asilus flavicornis, Macq.; *A. Barium*, Walk.; *A. Iamenus*, Walk.

207. ASILUS OPULENTUS.

Asilus opulentus, *Diptera Saundersiana*, Pt. 2, 150.

East Indies.

208. ASILUS ATRATUS.

Fem. *Niger*, cinereo tomentosus; caput antice albidum, subito albo pilosum; thorax nigro trivittatus; alæ cinereæ, apud baseos sublimpidæ.

Fem. Black, with cinereous tomentum. Head whitish in front, with white hairs beneath. Mystax black, with very long bristles. Thorax with three indistinct blackish stripes. Abdomen black and shining towards the tip. Legs black, with short hairs and long slender spines. Wings gray, nearly limpid at the base and in the basal half of the disk. Halteres whitish yellow. Length of the body 5 lines; of the wings 8 lines.

a. Java. From the East India Company's collection.

209. ASILUS CLAVIPES.

Fem. *Ater*, cinereo pubescens; antennæ basi testaceæ; peda flavi; alæ hyalinæ, apice subcinereæ.

Asilus clavipes, Macq. *Dipt. Exot.* i. 2, 142, 19.

Allied to *Asilus pusio*, Wied.

Java.

210. ASILUS APPENDICULATUS.

Mas. *Ater, cinereo pubescens; mystax albidus, nigro varius; anus appendice filiformi munitus; tibiæ posticæ testaceaæ; alæ hyalinae.*

Asilus appendiculatus, Macq. Dipt. Exot. Suppl. 3, 29, 63, pl. 2, f. 3.

Java.

211. ASILUS FLAVESCENTS.

Mas. *Flavidus; mystax flavescentis; antennæ nigræ, basi rufescentes; thorax vittis olivaceo-fuscanis; abdomen fuscanum, fulvo pilosum; pedes nigri, tibiæ rubidis; alæ flavescentes, apice cinereæ.*

Dasypteron flavescentis, Fabr. Syst. Antl. 169, 26.

Asilus flavescentis, Wied. Auss. Zweifl. i. 437, 20.

Java. Sumatra.

212. ASILUS PHILUS.

Asilus Philus, Cat. of Diptera, Pt. 2, 393.

Silhet.

213. ASILUS LONGISTYLOS.

Fulvus; mystax aureus; antennæ nigræ; thorax vittis nigellis; abdomen atrum, fulvo fasciatum; pedes rubidi, femoribus basi genubus tarsisque nigris; alæ flavidæ, apice cinereæ.

Asilus longistylus, Wied. Auss. Zweifl. i. 433, 13.

Java.

214. ASILUS BENGALENSIS.

Rufescens; antennæ flavæ; mystax barbaque flavescentia; abdomen fuscum, incisuris flavidis, fœm. apice attenuatum; pedes rufi, fœm. femoribus posterioribus apice nigricantibus; alæ flavidæ, apice fuscae.

Asilus Bengalensis, Macq. Dipt. Exot. i. 2, 141, 16, pl. 12, f. 2.

Bengal.

215. ASILUS NUDIPES.

Fœm. *Facies et mystax aurea; thoracis dorsum nigrum lineis albidis; abdomen fulvum, apice fuscanum; pedes fulvi, subnudi; alæ flavæ, apice fuscaæ.*

Asilus nudipes, *Macq. Dipt. Exot. Suppl. 2*, 42, 56.

East Indies.

216. *ASILUS CHINENSIS.*

Flavidus; *mystax flavescens*; *antennæ ferrugineaæ*; *thorax fulvittatus*; *abdomen vitta media obsoleta fusca*; *pedes ferruginei*; *ala flavescentes*.

Asilus Chinensis, *Fabr. Ent. Syst. iv*. 388, 34. *Wied. Dipt. Ex. i*. 185, 6; *Auss. Zweifl.* 434, 14.

China.

217. *ASILUS PENULTIMUS.*

Asilus penultimus, *Diptera Saundersiana*, Pt 2, 134.

East Indies.

218. *ASILUS XANTHOPUS.*

Mas et fœm. *Flavidus*; *mystax albo-flavescens*; *antennæ flavæ apice nigrae*; *thorax fulvus, vix vittatus*; *abdomen incisus flavis*; *pedes mellei, femoribus posticis apicè nigro-fuscæ limpidae, vix flavescentes*.

Asilus xanthopodus, *Wied. Zool. Mag. iii*. 5, 6; *Dipt. Exot. i*. 186, *Auss. Zweifl. i*. 436, 18.

Java.

219. *ASILUS BIFIDUS.*

Fœm. *Canus*; *mystax flavescens*; *thorax nigro vittatus*; *abdomen nigrum, argenteo fasciatum*; *pedes nigri, tibiis testaceæ sublimpidæ*.

Dasytopon bifidus, *Fabr. Syst. Antl.* 170, 30.

Asilus bifidus, *Wied. Dipt. Exot. i*. 190, 14; *Auss. Zweifl. i*. 429.

Tranquebar.

220. *ASILUS CONGEDUS.*

Asilus Congedus, *Diptera Saundersiana*, Pt 2, 138.

East Indies.

221. ASILUS GRISEUS.

Fœm. *Cinereus*; *mystax flavescens*; *antennæ nigrae*; *thorax vitta latissima fusca*; *abdomen cinereo-fuscum*; *pedes saturate flavi*, *femoribus tibiis tarsisque apice nigris*; *alæ limpidae*.

Asilus griseus, *Wied. Dipt. Exot.* i. 192, 17; *Auss. Zweifl.* i. 442, 27.

Java.

222. ASILUS DUVAUCELII.

Mas. *Cinereus*; *antennæ rufæ*, *apice nigrae*; *thorax nigro vittatus*; *abdomen trifariam nigro maculatum*; *pedes flavis*, *femoribus et tibiis apice tarsisque nigris*; *alæ hyalinae*, *subdilatatae*.

Asilus Duvaucelii, *Macq. Dipt. Exot.* i. 2, 141, 15, pl. 12, f. 1.

Bengal.

223. ASILUS PUSIO.

Cinereus; *thorax lineis transversis albidis*; *pedes flavido-testacei*; *alæ hyalinæ*, *margine postico subobscuro*.

Asilus pusio, *Wied. Zool. Mag.* iii. 36, 52; *Dipt. Exot.* i. 195, 25; *Auss. Zweifl.* i. 455, 47. *Macq. Dipt. Exot.* i. 2, 143, 20.

Java.

224. ASILUS ANNULATUS.

Mas. et fœm. *Cinereus*; *mystax cinereo-albidus*; *antennæ flavæ*, *apice fusca*; *thorax vitta fusca*; *abdomen fusco trivittatum*; *pedes flavi*; *alæ limpidae*, *apice cinereæ*.

Asilus annulatus, *Fabr. Syst. Ent.* 794, 15; *Ent. Syst.* iv. 384, 37. *Wied. Dipt. Exot.* i. 205, 42; *Auss. Zweifl.* i. 434, 15.

Dasytopogon annulatus, *Fabr. Syst. Antl.* 171, 32.

East Indies.

225. ASILUS AGILIS.

Mas. *Cinereus*; *mystax albus*; *antennæ nigrae*; *thorax nigro vittatus*; *abdomen nigrum*, *flavido fasciatum*; *pedes nigri*; *alæ subflavescentes*, *apice subcinereæ*.

Asilus agilis, *Wied. Auss. Zweifl.* i. 456, 48.

Java.

	I	II	III	IV	V	Sie grate Træd B Inglom
Asil.						
East						
M:						madi
Asilu-						
Pondi						
Asilus		I	II	III	IV	
Mas	F	M	S			
	A	I				
	B	I				
	C	I				
Asilus						
Tengal						
Cey						
thus p						
st In						
us p						
t In						
s R,						
sp						

Fem. Head narrower, and thorax much more slender than that of the male. Abdomen brown; base and hind borders of the segments pale tawny; apical third part stylate, blackish. Wings not dilated in front; their veins not incrassated.

a, b. Sumatra. From Sir Stamford Raffles' collection.

Australia.

A. *Mystax niger.*

A. Tibiæ nigrae, basi ferrugineæ. - - - *villicatus*, Walk.

B. Tibiæ fulvæ. - - - - - *obumbratus*, Walk.

B. *Mystax niger*, fulvo-flavo aut flavidio-albo varius.

A. Pedes nigri. - - - - - *laticornis*, Macq.

B. Pedes nigri; tibiæ dimidio basali fulvo. - - *Pelago*, Walk.

C. Femora nigra. - - - - - *exilis*, Macq.

D. Femora fulvo-nigra; tibiæ triente apicali nigro. *Maricus*, Walk.

E. Femora cinerea. - - - - - *Cædicius*, Walk.

F. Femora castanea. - - - - - *rubrithorax*, Macq.

G. Femora rufa, flava, aut testacea.

A. Alæ fuscanae, aut subfulvæ.

a. Femora apice nigra.

i. Abdomen testaceum. - - - *Tasmaniæ*, Macq.

ii. Abdomen rufum, apice nigrum. - - *giganteus*, Macq.

b. Femora non apice nigra.

i. Alæ subfuscantes. - - - *nigritarsis*, Macq.

ii. Alæ flavo-fuscantes.

* Abdomen fulvum. - - - *grandis*, Macq.

** Abdomen fuscum. - - - *Malleolus*, Walk.

iii. Alæ subfulvæ. - - - - - *Alcetus*, Walk.

b. Alæ subflavescentes, apice subcinereæ. - - *murinus*, Macq.

c. Alæ subcinereæ, venis fulvo limbatis. - - *discutiens*, Walk.

C. *Mystax niger*, albo varius.

A. Femora nigra.

A. Tibiæ posticæ nigrae. - - - - - *australis*, Macq.

B. Tibiæ posticæ pallidæ.

a. Tarsi postici testacei. - - - *acutangulatus*, Macq.

b. Tarsi postici nigri.

i. Alæ subflavescentes. - - - - - *armatus*, Macq.

ii. Alæ limpidae. - - - - - *Antilco*, Walk.

iii. Alæ limpidae, apice subfuscæ. - - *Margitis*, Walk.

iv. Alæ subcinereæ aut cinereæ.

* Tarsi toti nigri.

† Abdomen tessellatum. - - - - - *rudis*, Walk.

†† Abdomen non tessellatum. - - *luctiferus*, Walk.

** Tarsi basi rufi.	- - - - -	Sicitus, Walk.
v. Alæ cinereæ, apice subfuscantes.	- - - - -	fraternus, Macq.
B. Pedes ferruginei.	- - - - -	Trachalus, Walk.
C. Femora rufa.	- - - - -	Blasio, Walk.
D. Pedes rufi.	- - - - -	inglorius, Macleay.
E. Pedes testacei; femora nigro vittata.	- - - - -	Alicis, Walk.
D. <i>Mystax</i> flavus aut albo-flavus.		
A. Pedes nigricantes.	- - - - -	mutilatus, Walk.
B. Femora castanea.		
A. Thorax nigro vittatus.	- - - - -	Sydneyensis, Macq.
B. Thorax fusco vittatus.	- - - - -	Hyagnis, Walk.
C. Femora rufa aut testacea.		
A. Thorax nigro vittatus.		
a. Thorax castaneus.	- - - - -	rufiventris, Macq.
b. Thorax albidus.	- - - - -	Jacksonii, Macq.
c. Thorax disco nigricante	- - - - -	alligans, Walk.
B. Thorax fusco vittatus.		
a. Abdomen nigrum, aurato fasciatum.		caudatus, Fabr.
b. Abdomen flavo-fuscum, apice nigrum.		Centho, Walk.
c. Thorax nigro cinereus, vittis tribus rubidis.		plicatus, Leach.
E. <i>Mystax</i> albus aut albidus.		
A. Femora nigro vittata.	- - - - -	vittipes, Macq.
B. Femora non vittata.		
A. Thorax nigro vittatus.	- - - - -	filiferus, Macq.
B. Thorax fusco vittatus.	- - - - -	planus, Walk.
c. Thorax non vittatus.	- - - - -	Amycla, Walk.

Group 1.

Fæm. Corpus parvum, gracile, hirtum. Caput subtus dense pilosum. Facies subconvexa. *Mystax* mediocris, dense setosus. Proboscis sublanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o paullo longior; arista 3o non longior. Thoracis latera setosa. Abdomen sublineare, thorace plus duplo longius, apice nitens compressum, alas paullo superans. Pedes gracillimi, parce spinosi, vix hirti.

Radial as usual. Subcostal vein forked at much beyond half the length; forks nearly straight. First, second and third extero-medial veins nearly straight; third forming an obtuse angle with the præbrachial, joining the fourth very far from the border. Sub-anal joining the anal on the border.

Asilus villicatus, Walk.

Group 2.

Corpus magnum, parce hirtum. Caput subtus dense pilosum. Facies vix convexa. Mystax sat dense setosus. Proboscis brevis, assa, lanceolata. Antennarum articulus 1us 2o duplo longior; is longiconicus, 1o æqualis; arista 2o duplo longior. Thorax trinque et postice setosus. Abdomen depresso, alas non operans, thorax vix duplo longius. Pedes validi, spinosi, parce hirti. Mas.—Abdomen lineare. Sexualia parva, arcuata. Fem.—abdomen oblanceolatum, apice subcompressum.

Cubital vein forked at very much beyond half its length; forks slightly curved. First externo-medial much curved near the base; second straight; third slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth very far from the border. Subanal joining the anal very far from the border.

silus Pelago, Walk.

Group 3.

Mas.—Corpus longiusculum, hirtum. Caput subtus densissime pilosum. Facies convexa. Mystax sat dense setosus. Proboscis lanceolata. Antennarum articulus 1us 2o plus duplo longior; is 1o paullo brevior; arista 3o vix brevior. Thoracis latera et scutellum parce setosa. Abdomen sublineare, thorace plus duplo longius, alas longe superans. Sexualia parva. Pedes robusti, inosi, hirti. Alæ breviusculæ.

Radial as usual. Cubital vein forked at very much beyond half its length; forks nearly straight. First and second externo-medial veins nearly straight; third curved, forming a slightly obtuse angle with the præbrachial, joining the fourth close to the border. Subanal joining the anal close to the border.

silus Blasio, Walk.

Group 4.

*Corpus magnum, aut mediocre. Caput subtus densissime pilosum. Facies convexa. Mystax densissime setosus. Proboscis lanceolata. Antennarum articulus 1us 2o duplo longior; 3us lan-
ceolatus, 1o æqualis; arista 3o paullo brevior. Thorax pubescens; latera et scutellum parce setosa. Abdomen longi-oblanceolatum. Pedes robusti, spinosi, parce hirti. Mas.—Abdomen alas paullo superans. Sexualia parva; forceps brevissimus. Alæ apud costam ibdilatatae. Fem.—Abdomen alas non superans, apice obtusum, non compressum nec attenuatum.*

Cubital vein forked at very much beyond half its length; forks slightly undulating. First externo-medial vein much curved near its base; second straight; third slightly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some distance from the border.

Asilus Sydneensis, Macq. A. *Alcetus, Walk.*

Group 5.

Mas. Corpus parvum. Caput subtus pilosum. Facies convexa. Mystax magnus, densus, ad antennas ascendens. Proboscis brevis, lanceolata. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o multo longior; arista valida, 3o multo brevior. Thoracis dorsum densissime hirtum. Abdomen sublineare, thorace vix duplo longius, alas non superans. Sexualia parva. Pedes validi, spinosi; antici hirti.

Radial vein slightly undulating towards the tip. Cubital forked at much beyond half its length; forks hardly undulating. First and second externo-medial veins nearly straight; third hardly curved, forming an obtuse angle with the præbrachial, joining the fourth very far from the border. Subanal joining the anal near the border.

Asilus rudis, Walk.

Group 6.

Corpus magnum. Caput subtus densissime pilosum. Facies convexa. Mystax densissime setosus. Proboscis robusta, lanceolata. Antennarum articulus 1us 2o longior; 3us longi-lanceolatus, 1o multo longior; arista 3o æqualis. Thoracis latera et scutellum setosa. Abdomen oblateolatum, pilosum, apicem versus fere nudum, thorace fere duplo longius, alas non superans. Sexualia parva; forceps crassus, arcuatus. Pedes robusti, hirti, spinosi.

Radial vein joining the subcostal at far from the tip of the latter. Cubital forked at very much beyond half its length; fore fork nearly straight; hind fork slightly undulating. First externo-medial vein much curved at its base; second nearly straight; third much curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal far from the border.

Asilus Malleolus, Walk.

Group 7.

Mas. Corpus parvum, gracile, longiusculum, fere nudum. Caput subtus pilosum. Facies fere plana. Mystax parce setosus.

'roboscis gracilis, sublanceolata. Thoracis et abdominis latera
tis paucis. Abdomen sublineare, thorace fere triplo longius.
Sexualia parva; forceps analis, latus, arcuatus. Pedes validi, spi-
osi, fere nudi; femora subincrastata.

Radial vein curved at its tip. Cubital vein forked at very
much beyond half its length; fore fork almost straight; hind fork
slightly undulating. First and second externo-medial veins nearly
straight; third curved, forming an obtuse angle with the præbra-
chial, joining the fourth close to the border. Subanal joining the
anal on the border.

silus Jacksonii, Macq.

Group 8.

Mas. Corpus majuscum, fere nudum. Caput subtus dense
pilosum. Facies subconvexa. Mystax sat dense setosus, antennas
on attingens. Proboscis lanceolata. Antennarum articulus Ius
plus duplo longior; 3us lanceolatus, 1o æqualis; arista 3o multo
longior. Thoracis latera rarissime setosa. Abdominis dimidium
re basale pilosum, alas paullo superans. Sexualia parva; forceps
arcuatus. Pedes sat graciles, rarissime spinosi, subpubescentes.

Radial vein straight, joining the subcostal at a short distance
from the tip of the latter. Cubital forked at very much beyond half
its length; fore fork much curved at its base; hind fork slightly
undulating. First externo-medial very much curved at its base;
second straight; third slightly curved, forming a hardly obtuse
angle with the præbrachial, joining the fourth at far from the bor-
der. Subanal joining the anal far from the border.

silus Centho, Walk.

Group 9.

Corpus maximum, pubescens. Caput subtus densissime pilo-
sum. Facies antice convexa. Mystax densissime setosus. Pro-
boscis sublanceolata. Antennarum articulus Ius 2o plus duplo
longior; 3us lanceolatus, 1o multo brevior; arista 3o multo longior.
Thoracis latera setis paucis. Pedes robusti, hirti, spinosi. *Mas.*—
Abdomen alas paullo superans. Sexualia mediocria. *Fæm.*—
Abdomen alas vix superans, usque ad apicem pubescens.

Radial vein nearly straight, joining the subcostal at a con-
siderable distance from the tip of the latter. Cubital forked at very
much beyond its middle; fore fork hardly curved; hind fork undu-
ting. First externo-medial very much curved near its base;

second straight; third curved, forming an obtuse angle with the præbrachial, joining the fourth at very far from the border. Subanal joining the anal far from the border. *Male*.—Costa convex beyond the middle, where the fore areolets are dilated and furnished with transverse ribs.

Asilus plicatus, Leach.

Group 10.

Fæm. Corpus magnum, breviter hirtum. Caput subtus densissime pilosum. Facies subconvexa. Mystax sat magnus, setis longis densis. Proboscis lanceolata. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 10 vix longior; arista 3o multo longior. Thoracis abdominisque latera pure setosa. Abdomen oblanceolatum, thorace duplo longius, alas non superans, apice vix compressum. Pedes robusti, hirti, spinosi; femora crassa.

Cubital vein forked at very much beyond half its length; forks hardly undulating, their tips diverging. First externo-medial much curved near its base; second almost straight; third curved, forming a very slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal rather far from the border.

Asilus Amycla, Walk.

Group 11.

Mas. Corpus magnum. Caput subtus dense pilosum. Facies convexa. Mystax dense setosus. Proboscis lanceolata. Antennarum articulus 1us 2o multo longior; 3us lanceolatus lo longior; arista 3o æqualis. Thorax hirtus; latera et scutellum parce setosa. Abdomen oblanceolatum, subpilosum, thorace fere duplo longius, alas paullo superans. Sexualia mediocria; forceps longus, gracilis, arcuatus. Pedes robusti, spinosi, parce hirti.

Cubital vein forked at very much beyond half its length; forks slightly undulating. First externo-medial curved near its base; second nearly straight; third slightly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some distance from the border.

Asilus inglorius, Macleay; *A. alligans*, Walk.

233. ASILUS VILLICATUS.

Asilus villicatus, Diptera *Saundersiana*, Pt. 2, 147.

New South Wales.

234. ASILUS OBUMBRATUS.

Asilus obumbratus, Diptera Saundersiana, Pt. 2, 145.

New South Wales.

235. ASILUS LATICORNIS.

Niger, cinereo tomentosus; mystax flavido varius; antennæ articulo 3o lato; abdomen incisuris albidis; alæ cinereæ, apice subfuscæ.

Asilus laticornis, Macq. Dipt. Exot. Suppl. 1, 91, 49, pl. 8, f. 14.

Tasmania.

236. ASILUS PELAGO.

Asilus Pelago, Cat. of Diptera, Pt. 2, 419.

New Holland.

237. ASILUS EXILIS.

Mas. Ater, gracilis; abdominis segmenta 2um 3um 4umque albo marginata; tibiae tarsique rufa; alæ subflavescentes, venis transversis fusco marginatis.

Asilus exilis, Macq. Dipt. Exot. i. 2, 145, 27.

Kangaroo Island, New Holland.

238. ASILUS MARICUS.

Asilus Maricus, Diptera Saundersiana, Pt. 2, 141.

Port Philip.

239. ASILUS CÆDICIUS.

Asilus Cœdicius, Cat. of Diptera, Pt. 2, 457.

New Holland.

240. ASILUS BUBRITHORAX.

Fem. Cinereus; thorax rubidus, nigro vittatus; pedes castanei, tarsis nigris; alæ fuscaneæ.

Asilus rubrithorax, Macq. Dipt. Exot. i. 2, 143, 21.

New Holland.

241. ASILUS TASMANIÆ.

Mas. Flavescens; thorax nigro vittatus; abdomen pedesque testacea; femora apice tarsique nigra; alæ fuscaneæ, ad costam convexæ.

Asilus Tasmaniae, Macq. Dipt. Exot. i. 2, 145, 26.

Hobart Town.

242. ASILUS GIGANTEUS.

*Cinereus; thorax testaceo vittatus; abdomen fulvo pubes
pedes testacei, tarsis nigris; alæ cinereo-fuscae, maris dil
Asilus giganteus, Macq. Dipt. Exot. Suppl. 2, 43, 57, pl. 1, f.
Tasmania.*

243. ASILUS NIGRITARSIS.

*Facies albido-flava; mystax albido-flavus, nigro varius; an
nigræ, articulo 3o elongato; thorax vittis nigris; inter
divisa; abdomen rufo testaceum, basi fuscum; pedes
genibus tarsisque nigris; alæ subfuscantes.*

Asilus nigritarsis, Macq. Hist. Nat. Dipt. i. 304, 5.

Hobart Town. New Guinea.

244. ASILUS GRANDIS.

*Fœm. Testaceus; mystax flavidus; thorax nigro vittatus;
men fulvum; tibiae posticæ flavæ; tarsi nigri; alæ
fuecscentes.*

*Asilus grandis, Macq. Dipt. Exot. Suppl. 3, 30, 63, pl. 3, f. 4.
New Holland.*

245. ASILUS MALLEOLUS.

Asilus Malleolus, Cat. of Diptera, Pt. 2, 418.

a, b. Van Dieman's Land. Presented by the late E. Janson, F

246. ASILUS ALCETAS.

Asilus Alcetas, Cat. of Diptera, Pt. 2, 425.

Van Dieman's Land.

247. ASILUS MURINUS.

*Cinereus; thorax flavescens; pedes rufi, tarsis nigris; alæ
linæ, subflavescentes, apice subcinereæ.*

Asilus murinus, Macq. Dipt. Exot. i. 2, 144, 24.

New Holland.

248. ASILUS DISCUTIENS.

Asilus discutiens, Diptera Saundertiana, Pt. 2, 135.

New Holland.

249. ASILUS AUSTRALIS.

Fœm. *Niger*; *thorax lineis albis*; *abdomen incisuris cinereis*;
tibiae testacea, postica nigrae; *alæ subcinereæ*.
lus australis, Macq. Dipt. Exot. Suppl. 2, 44, 59.
 v Holland.

250. ASILUS ACUTANGULATUS.

Fœm. *Niger*; *thorax lineis albis*; *abdomen incisuris albis*;
tarsi postici tibiæque testacea; *alæ hyalinæ*.
lus acutangulatus, Macq. Dipt. Exot. Suppl. 2, 44, 60.
 mania.

251. ASILUS ARMATUS.

Fœm. *Niger*; *mystax subtus albus*; *thorax cinereus, vittis*
nigris; *abdomen incisuris cinereis*; *tibiæ testacea, femora*
antica spinosa; *alæ subflavescentes*.
lus armatus, Macq. Dipt. Exot. Suppl. 1, 9, 47, pl. 8, f. 17;
 Suppl. 2, 45.
 v Holland. Tasmania.

252. ASILUS ANTILOO.

lus Antilco, Cat. of Diptera, Pt. 2, 458.
 t Stephen.

253. ASILUS MARGITIS.

lus Margitis, Cat. of Diptera, Pt. 2, 461.
 lus Coedicius, var.?
 Melbourne, Australia. From Mr. Baly's collection.

254. ASILUS BUDIS.

Mas. *Cinereus*; *caput subtus albido pilosum*; *mystax niger*,
setis nonnullis inferioribus albis; *thoracis discus nigro-fus-*
cus; *abdomen nigro-fusco tessellatum*; *tibiæ rufescentes*,
apices versus nigrantes; *alæ subcinereæ*.

Male. Cinereous. Head whitish in front, clothed with whitish hairs beneath. Mystax black, with a few white bristles beneath. Tarsi black. Disk of the thorax blackish brown, indistinctly tessellated. Abdomen tessellated with blackish brown. Sexualia black, shining, with white hairs beneath. Legs black, with black

and whitish spines, slightly hairy; tibiae reddish, black towards the tips. Wings slightly gray; veins black, tawny at the base. Halteres tawny. Length of the body 5 lines; of the wings 8 lines.

a. Melbourne, Australia. From Mr. Baly's collection.

255. ASILUS LUCTIFERUS.

Asilus luctiferus, Diptera Saundersiana, Pt. 2, 144.

Van Dieman's Land.

256. ASILUS ELICITUS.

Asilus elicitus, Diptera Saundersiana, Pt. 2, 139.

New South Wales.

257. ASILUS FRATERNUS.

Fœm. *Niger; mystax niger, setis nonnullis inferioribus albis; thorax albido vittatus, lateribus cinereis; abdomen incisus setisque lateralibus albis; tibiae testaceæ, apice nigre; alæ cinereæ, apice subfuscantes.*

Asilus fraternus, Mucq. Dipt. Exot. Suppl. 1, 91, 48.

Tasmania.

258. ASILUS TRACHALUS.

Asilus Trachalus, Diptera Saundersiana, Pt. 2, 143.

Van Dieman's Land.

259. ASILUS BLASIO.

Asilus Blasio, Cat. of Diptera, Pt. 2, 441.

West Australia.

260. ASILUS INGLORIUS.

Obscure luteus; mystax albidus, supra niger; abdomen basi flav hirsutum; pedes rufi, genubus tarsisque nigris; alæ flav hyalinæ, apice obscuriores.

Asilus inglorius, Macleay, King's Narr. Surv. Austral. ii. 467, 182. Australia.

261. ASILUS ALICIS.

Niger, albo hirtus, nigro setosus; mystax albus, supra niger; antennæ basi testaceæ; pedes testacei, femoribus nigro vittatis; alæ subcinereæ.

Black, clothed with white hairs and black bristles. Epistoma slightly prominent, rather thickly beset with white bristles, above which there are a few black bristles. First and second joints of the antennæ testaceous. Legs testaceous, a black stripe on each of the femora; tips of tarsi black. Wings slightly gray; veins black, testaceous at the base. Halteres yellow. Length of the body $4\frac{1}{2}$ lines; of the wings 7 lines.

a. New Holland.

262. ASILUS MUTILATUS.

Cinereus, testaceo pilosus; caput et pectus albida; mystax testaceus; antennæ nigrae; thorax indistincte vittatus; abdomen apice nigrum; pedes nigricantes, testaceo hirti, albido spinosi; alæ subcinerea, apice obscuriores, venis basi fulvis.

Cinereous, with testaceous hairs. Head and pectus whitish. *Mystax* testaceous. Antennæ black. Thorax with three indistinct stripes. Abdomen with a black tip. Legs blackish, with testaceous hairs and whitish spines. Wings grayish, with darker tips; veins black, tawny at the base. Halteres testaceous. Length of the body $7\frac{1}{2}$ lines; of the wings 9 lines.

a. Melbourne, Australia. From Mr. Baly's collection.

263. ASILUS SYDNEENSIS.

Mas. Flavo-cinereus; thorax nigro vittatus; abdomen pedesque castanea, tarsi nigri; alæ flavæ, subdilataæ, apice et margine postico subfuscis.

Asilus Sydneensis, Macq. Dipt. Exot. i. 2, 144, 11.

Var. Asilus Amythaon, Cat. of Diptera, Pt. 2, 423.

Var. ? Asilus Maso, Cat. of Diptera, Pt. 2, 424.

New Holland.

264. ASILUS HYAGNIS.

Asilus Hyagnis, Diptera Saundersiana, Pt. 2, 139.

New South Wales.

265. ASILUS RUFIVENTRIS.

Castaneus; thorax nigro vittatus; abdomen rufum; femora testacea; tibiæ rufæ; tarsi nigri; alæ flavæ.

Asilus rufiventris, Macq. Dipt. Exot. i. 2, 144, 22.

New Holland.

266. ASILUS JACKSONII.

Fœm. *Albidus*; thorax nigro vittatus; abdomen fuscum, tegumento 7o ferrugineo, ano depresso; pedes rufi, tarsis nigris; alæ pallide flavescentes, apice cinereæ.

Asilus Jacksonii, Macq. Dipt. Exot. i. 2, 145, 25.

Port Jackson, New Holland.

267. ASILUS ALLIGANS.

Mas. *Rufescens*; caput subtus albo pilorum; mystax testaceus; thoracis et pectoris disci nigricantes; abdomen basi nigricans, apice nigrum; pedes rufi, tibis apice tarsisque nigris; alæ cinereæ.

Male. Reddish. Head beneath and coxa with white hairs. *Mystax testaceous*. First and second joints of the antennæ reddish. Thorax and pectus with blackish disks; thorax with three hoary stripes; pectus with hoary tomentum. Abdomen towards the base black, and clothed with hoary hairs; tip black. Legs red; tarsi and tips of the tibiae black. Wings gray. Length of the body 13 lines; of the wings 20 lines.

a. Van Dieman's Land. Presented by Morton Allport, Esq.

268. ASILUS CAUDATUS.

Fœm. *Flavidus*; mystax flavescens; antennæ nigræ; thorax fuscō vittatus; abdomen nigrum, aurato fasciatum; pedes dilute mellei; alæ subflavescentes, apice fuscescentes.

Dasypteron caudatum, Fabr. Syst. Antl. 171, 33.

Asilus caudatus, Wied. Dipt. Exot. i. 191, 15; Auss. Zweifl. i. 444, 30.

New South Wales.

269. ASILUS CENTHO.

Asilus Centho, Cat. of Diptera, Pt. 2, 431.

New Holland.

Var.? *Male*. Black. Head clothed beneath and in front with white hairs; epistoma red, prominent, beset with white bristles; first and second joints of the feelers ferruginous, clothed with white hairs; third spindle-shaped; style very short; chest and breast red, the former with three broad black stripes; abdomen dull black, narrower than the chest, and about twice its length, slightly tapering

from the base to the tip; legs red, clothed with white hairs and bristles, a gray stripe on each thigh; wings slightly gray, with gray tips; veins black; poisers yellow, with pitchy knobs. Length of the body $4\frac{1}{2}$ lines; of the wings 7 lines.

270. ASILUS PLICATUS.

Asilus plicatus, Leach; Wied.

New Holland.

271. ASILUS VITTIPES.

Mystax albus; thorax cinereus vittis fuscis; abdomen maris cinereum trifariam fusco maculatum; scœmina fuscum, incisuris cinereis; pedes fulvi, femoribus tibiisque nigro vittatis; alæ subhyalinae.

Asilus vittipes, Macq. Dipt. Exot. Suppl. 2, 43, 58.

Tasmania.

272. ASILUS FILIFERUS.

Mas. *Mystax albidus*; thorax flavido tomentosus, vittis nigris; abdomen incisuris flavidis; pedes flavi; alæ flavidæ, apice subfuscæ.

Asilus filiferus, Macq. Dipt. Exot. Suppl. 1, 92, 50, pl. 8, f. 8.

Sydney Isle, Oceania.

273. ASILUS PLANUS.

Cinereus; antennæ nigrae, basi rufescentes; *mystax* albido setosus; thorax fusco trivittatus; abdomen supra cervinum, vitta dorsali fusca; pedes rufi, tarsis nigris; alæ subcinereæ, venis fusco sublimbatis.

Fem. Cinereous. Head whitish in front and beneath, clothed with whitish hairs. *Mystax* with whitish bristles. Antennæ black, reddish towards the base. Thorax with three broad brownish stripes, the lateral pair obliquely interrupted. Abdomen fawn-colour above, with a brown dorsal stripe; first, second and third segments with gilded hairs on each side. Legs red; tarsi and hind knees black. Wings slightly grayish, with a pale brownish tinge in front and along the veins; veins and halteres tawny. Length of the body 11 lines; of the wings 18 lines.

a. Australia. From Mr. Stevens' collection.

274. ASILUS AMYCLA.

Asilus Amycla, Cat. of Diptera, Pt. 2, 423.

New Holland.

New Zealand.

- A. *Mystax niger*. - - - - - *varius*, *White*.
 B. *Mystax niger*, albo *varius*. - - - - - *Bulbus*, *Walk.*
 C. *Mystax albus*. - - - - - *Lascus*, *Walk.*

Group 1.

Corpus vix mediocre. Caput subtus dense pilosum. Facies convexa. *Mystax* dense setosus. Proboscis sublinearis. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus 1o aequalis; arista 3o paullo longior. Thorax hirtus; latera setosa. Abdomen thorace plus duplo longius, alas vix superans. Pedes validi, spinosi, parce hirti. *Mas.*—Abdomen sublineare. Sexualia mediocria tenuida. *Fæm.*—Abdomen oblanceolatum, triente apicali compressa lœvi nitida.

Cubital vein forked at rather before two-thirds of its length; forks very slightly curved, diverging from each other. First externo-medial curved near its base; second nearly straight; third slightly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some distance from the border.

Asilus varius, *White*.

Group 2.

Corpus gracile, fere nudum. Caput subtus parce pilosum. Facies plana. *Mystax minimus*, setis paucissimis. Proboscis gracilis, sublanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o paullo longior; arista 3o multo brevior. Thoracis et abdominis latera parce setosa. Thorax brevis. Abdomen thorace plus duplo longius, alas non superans. Pedes graciles, parum setosi, fere nudi. Alæ longiusculæ. *Mas.*—Abdomen sublineare. Sexualia minima. *Fæm.*—Abdomen sublanceolatum, apice compresso lœvi nitido.

Cubital vein forked at rather beyond half its length; forks nearly straight, slightly diverging. First, second and third externo-medial veins nearly straight; third forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some distance from the border.

Asilus Lascus, *Walk.*

275. ASILUS VARIUS.

Asilus varius, *Cat. of Diptera*, Pt. 2, 457.

a, b. New Zealand. Presented by Dr. Sinclair.

c. Auckland, New Zealand. Presented by Col. Bolton.

276. ASILUS BULBUS.

Asilus Bulbus, *Cat. of Diptera*, Pt. 2, 465.
Asilus varius, *Var.*?

277. ASILUS LASCUS.

Asilus Lascus, *Cat. of Diptera*, Pt. 2, 466.

- a. b. New Zealand. Presented by Dr. Sinclair.
- c. New Zealand. Presented by Dr. Hooker.
- d. Auckland, New Zealand. Presented by Col. Bolton.

Country unknown.

Group 1. LOPHONOTUS.

278. ASILUS BREVIPENNIS.

Mas. *Ater, albo pubescens; abdomen maculis trigonis nigris, alæ breves subfuscæ, vena cubitali et externo-media la conjunctis.*

Lophonotus brevipennis, *Macq. Dipt. Exot.* i. 2, 130, 11.

A. Myxast niger.**A. Femora nigra.**

- a. Alæ nigro-fuscæ. - - - - Corissus, *Walk.*
- b. Alæ subfuscæ, apice cinereæ. - - Tamphilus, *Walk.*
- c. Alæ limpidæ. - - - Echepolis, *Walk.*

B. Femora rufa, nigro vittata.**B. Myxast niger, fulvo, aut flavo varius.****A. Pedes nigri.**

- a. Femora nigra aut nigro-cinerea. - Gorgasus, *Walk.*

a. Alæ subfuscæ.

- i. Thorax fuscus, nigro vittatus. dioctriæformis. *Macq.*

- ii. Thorax canus, vittis cinereis. - Triopas, *Walk.*

b. Alæ subfulvæ, apice cinereæ.

- c. Alæ hyalinæ, apice subfuscæ. - micropterus, *Macq.*

- b. Pedes picei, fulvo vittati. - Vibulamus, *Walk.*

c. Femora picea.

- a. Alæ fulvæ, areolarum discis sublimpidis. Antiorus, *Walk.*

- b. Alæ fusco-fulvæ. - - - Corymeta, *Walk.*

- d. Femora rufa, supra nigra. - - - terebratus, *Macq.*

- e. Femora rufa. - - - - Eanes, *Walk.*

- f. Femora mellea. - - - - melleus, *Macq.*

C. <i>Mystax niger</i> , albo varius.					
A. Pedes nigri.	- - - - -				<i>Penarius, Walk.</i>
B. Femora nigra.					
A. Alæ subfuscæ.					
a. Antennæ basi ferrugineæ.	- - - - -				<i>Corythus, Walk.</i>
b. Antennæ totæ nigre.	- - - - -				<i>Ochesius, Walk.</i>
b. Alæ subcinereæ.	- - - - -				<i>Coras, Walk.</i>
C. Femora rufa, nigro vittata.	- - - - -				<i>Balacrus, Walk.</i>
D. <i>Mystax flavus</i> , aut flavo-albus.					
A. Alæ maculatæ.	- - - - -				<i>Hercules, Wied.</i>
B. Alæ non maculatæ.					
a. Pedes nigro-senei.	- - - - -				<i>inumbratus, Walk.</i>
b. Femora rufa, nigro vittata.	- - - - -				<i>rufipes, Macq.</i>
c. Femora rufa, non vittata.					
a. Thorax cinereo canescens.	- - - - -				<i>Virgo, Wied.</i>
b. Thorax fulvus, vittis quatuor obscurioribus.					
					<i>Thimbro, Walk.</i>
E. <i>Mystax albus</i> .					
A. Alæ flavescentes, apice subfuscæ.	- - - - -				<i>ochripes, Macq.</i>
B. Alæ limpidæ.	- - - - -				<i>Dasius, Walk.</i>

Group 1.

Mas. Corpus magnum. Caput subtus densissime setosum. Facies convexa. *Mystax* dense setosus, sat magnus. Proboscis lanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o brevior; arista 3o longior. Thoracis latera parce setosa. Abdomen sublineare, thorace duplo longius, alas vix superans, basim versus pilosum. Sexualia parva; forceps rectus sublinearis. Pedes validi, spinosi, parce hirti.

Allied to *Erax*. Cubital vein forked at about half its length; forks hardly undulating; fore fork almost angular near its base. First and second externo-medial veins indistinctly undulating; third curved, forming a very obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some little distance from the border.

Asilus Corissus, Walk.

Group 2.

Mas. Corpus angustum, subpubescens. Caput subtus dense pilosum. Facies parum convexa. *Mystax* vix dense setosus. Proboscis lanceolata. Thoracis latera et scutellum subsetosa. Abdomen thorace duplo longius. Sexualia parva. Pedes validi, pilosi, spinosi.

Radial as usual. Cubital vein forked at very much beyond half its length; forks hardly undulating. First externo-medial vein slightly curved near its base; second straight; third slightly curved, forming a slightly obtuse angle with the prebrachial, joining the fourth at some distance from the border. Subanal joining the anal at a short distance from the border.

silus Tamphilus, Walk.

Group 3.

Corpus parvum, hirtum. Caput subtus dense pilosum. Facies ibconvexa. Mystax dense setosus, ad antennas non ascendens. roboscis lanceolata. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, lo aequalis; arista 3o paullo longior. Thoracis latera setosa. Abdomen oblanceolatum, thorace plus duplo longius, as paullo superans, basim versus praesertim pilosum. Sexualia irva; forceps subarcuatus. Pedes sat validi, hirti, spinosi.

Cubital vein forked at very much beyond half its length; fore fork nearly straight; hind fork undulating. First and second externo-medial veins nearly straight; third hardly curved, forming an obtuse angle with the prebrachial, joining the fourth far from the border. Subanal joining the anal at some little distance from the border.

silus Echepolis, Walk.

Group 4.

Mas. Corpus mediocre, hirtum. Caput subtus densissime pilosum. Facies convexa. Mystax densissime setosus, antennas non attingens. Proboscis gracilis, sublanceolata. Thoracis latera et scutellum setosa. Abdomen sublineare, alas non superans. Sexualia mediocria; forceps crassus, arcuatus. Pedes pilosi, setosi, t graciles.

Veins of the wings like those of *Asilus Balacrus*.

silus Sophus, Walk.

Group 5.

Fem. Corpus mediocre, hirtum. Caput subtus densissime pilosum. Facies convexa. Mystax magnus, densissime setosus. roboscis sublanceolata. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, lo paullo longior; arista 3o non longior. Thoracis latera et scutellum setosa. Abdomen oblanceolatum, thorace non duplo longius, alas non superans, apice compressum uminatum. Pedes robusti, hirti, spinosi.

Cubital vein forked at much beyond half its length; fore fork nearly straight; hind fork slightly undulating. First externo-medial vein much curved near the base; second almost straight; third slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Asilus Gorgasius, Walk.

Group 6.

Mas. Corpus mediocre, dense hirtum. Caput subitus densissime pilosum. Facies convexa. Mystax magnus, densissime setosus, fere ad antennas ascendens. Proboscis robusta, lanceolata. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, lopaullo longior; arista 3o brevior. Thoracis latera setosa. Abdomen thorace multo longius. Sexualia parva; forceps brevis, crassus, arcuatus. Pedes robusti, spinosi, densissime pilosi.

Radial as usual. Cubital vein forked at much beyond half its length; fore fork nearly straight; hind fork undulating. First and second externo-medial veins straight; third very slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth at rather far from the border. Subanal joining the anal near the border.

Asilus Triopas, Walk.

Group 7.

Fæm. Corpus vix mediocre, fere nudum. Caput subitus dense pilosum. Facies convexa. Mystax sat dense setosus. Proboscis sublanceolata. Thoracis latera setosa. Abdomen oblanceolatum, basi utrinque fasciculatum, apice compressum, abdomen superans. Pedes robusti, spinosi, non hirti.

Radial as usual. Cubital vein forked at rather beyond half its length; forks hardly curved, diverging from each other. First and second externo-medial veins straight; third hardly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Asilus Halmus, Walk.

Group 8.

Fæm. Corpus mediocre, sat longum. Corpus subitus dense pilosum. Facies parum convexa. Mystax parvus, setis paucis. Proboscis gracilis, linearis. Antennarum articulus 1us 2o duplo

longior; *3us sublanceolatus*, *1o æqualis*; *arista 3o longior*. *Thoracis latera* parce setosa. *Abdomen oblanceolatum*, apice compressum, alas paullo superans. *Pedes sat graciles*, parce spinosi, vix hirti.

Allied to *Eanax*. Radial as usual. Cubital vein forked at hardly beyond half its length; forks hardly undulating; fore fork forming at its base an obtuse angle, which emits a little branch; the latter is about one-third of the length of the basal side of the angle. First and second externo-medial veins nearly straight; third slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Asilus Vibulanus, Walk.

Group 9.

Mas. Corpus maximum, subpubescens. Caput subtus densissime pilosum. Facies convexa. Mystax dense setosus, antennas non attingens. Proboscis lanceolata. Antennarum articulus *1us 2o* plus duplo longior; *3us lanceolatus*, *1o brevior*; *arista 3o* multo longior. Thoracis latera et scutellum parce setosa. Abdomen oblanceolatum, thorace plus duplo longius, alas superans. Sexualia parva. Pedes validi, spinosi, pubescentes.

Radial vein nearly straight, joining the subcostal at some distance from the tip of the latter. Cubital forked at very much beyond half its length; fore fork hardly curved; hind fork slightly curved forward. First externo-medial slightly curved near its base; second straight; third straight, forming a slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Asilus Antiorus, Walk.

Group 10.

Mas. Corpus magnum, longiusculum, subpubescens. Caput subtus densissime pilosum. Facies valde convexa. Mystax densissime setosus, antennas non attingens. Proboscis lanceolata, sat gracilis. Antennarum articulus *1us 2o* plus duplo longior; *3us lanceolatus*, *1o paullo brevior*; *arista 3o* multo longior. Thoracis latera, scutellum et abdomen basi setosa. Abdomen oblanceolatum, thorace plus duplo longius, alas superans. Sexualia parva. Pedes sat graciles, spinosi, pubescentes.

Radial vein almost straight, joining the subcostal rather far from the tip of the latter. Cubital forked at much beyond half its length; fore fork nearly straight; hind fork slightly curved forward.

First externo-medial slightly curved near its base; second straight; third very slightly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal at some distance from the border.

Asilus Corymeta, Walk.

Group 11.

Corpus maximum, parce hirtum. Caput subtus pilosum. Facies valde convexa. Mystax vix dense setosus. Proboscis gracilis, sublanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, 1o brevior; arista 3o fere triplo longior. Thorax setis nonnullis lateralibus et posticis. Pedes validi, spinosi, hirti.

Cubital vein forked at rather beyond half its length; fore fork almost straight; hind fork slightly undulating. First externo-medial vein very slightly curved; second straight, slightly curved, forming a very slightly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Asilus Eanes, Walk.

Group 12.

Fæm. Corpus mediocre, fere nudum. Caput subtus densissime pilosum. Facies subconvexa. Mystax parvus, densissime setosus. Proboscis sublinearis. Thoracis dorsum et latera parce setosa. Abdomen oblanceolatum, apice nitens vix compressum, alas paullo superans. Pedes sat validi, spinosi, fere nudi.

Radial as usual. Cubital vein forked at much beyond half its length; forks slightly undulating. First, second and third externo-medial veins nearly straight; third forming a hardly obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Asilus Penarius, Walk.

Group 13.

Fæm. Corpus mediocre, subpubescens. Caput subtus dense pilosum. Facies plana. Mystax densissime setosus, antennas fere attingens. Proboscis sublinearis. Thoracis latera et scutellum subsetosa. Abdomen longiusculum, oblanceolatum, thorace plus duplo longius, alas superans, apicem versus subcylindricum. Pedes graciles, breviter spinosi.

Radial as usual. Cubital vein forked at a little before half its length; forks very near each other for one-third of the length from the base, after which the hind fork diverges, but again approaches the fore fork near their tips; fore fork angular at its base. First externo-medial vein slightly curved near its base; second straight; third slightly curved, forming a slightly obtuse angle with the præbrachial, joining the fourth at rather far from the border. Subanal joining the anal rather far from the border.

Asilus Corythus, Walk.

Group 14.

Fæm. Corpus parvum, parce hirtum. Caput subitus dense pilosum. Facies convexa. Mystax dense pilosus, mediocris. Proboscis lanceolata. Antennarum articulus 1us 2o plus duplo longior; 3us lanceolatus, lo non longior; arista 3o brevior. Thoracis latera setosa.

Abdomen oblanceolatum, thorace duplo longius, apicem versus compressum. Pedes sat graciles, parce setosi, non hirti. Cubital vein forked at much beyond half its length; fore fork almost straight; hind fork slightly undulating. Extero-medial veins nearly straight; third forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Asilus Ochesius, Walk.

Group 15.

Fæm. Corpus vix mediocre, fere nudum. Caput subitus dense pilosum. Facies apud epistoma subconvexa. Mystax setis paucis. Proboscis brevis, lanceolata. Antennarum articulus 1us 2o fere duplo longior; 3us longiconicus, lo æqualis; arista 3o non longior. Thoracis latera et scutellum parce setosa. Abdomen oblanceolatum, thorace duplo longius, alas non superans, apice compresso lœvi nitido. Pedes sat graciles, parce spinosi, vix hirti.

Radial vein as usual. Cubital vein forked at much beyond half its length; forks slightly undulating. First and second externo-medial veins straight; third hardly curved, forming an obtuse angle with the præbrachial, joining the fourth far from the border. Subanal joining the anal near the border.

Asilus Coras, Walk.

Group 16.

Corpus mediocre, latiusculum, hirtum. Caput subtus dense pilosum. Facies parum convexa. **Mystax raro setosus.** Proboscis lanceolata. Antennarum articulus 1us 2o duplo longior; 3us lanceolatus, 1o paullo longior; arista 1o paullo longior. Thoracis latera et scutellum setosa. Pedes robusti, subpubescentes, raro spinosi; metatarsi latiusculi.

Radial as usual. Cubital vein forked at very much beyond half its length; fore fork nearly straight; hind fork undulating. First and second externo-medial veins nearly straight; first curved at the base; third curved, forming an obtuse angle with the praebachial, joining the fourth far from the border. Subanal joining the anal rather near the border.

Asilus Sophus, Walk.; *A. Balacrus, Walk.*

Group 17.

Corpus gracile, mediocre, fere nudum. Caput subtus pilosum. Facies plana. **Mystax parvus, setis paucis apud epistoma.** **Mystax gracilis, sublinearis.** Antennarum articulus 1us 2o duplo longior; 3us longiconicus, 1o multo brevior; arista 3o duplo longior. Thorax breviter et parce hirtus; latera et scutellum parce setosa. Abdomen thorace plus duplo longius, alas superans; incisuræ lateribus parce setosis. Pedes nudi, sat validi, parce spinosi. **Mas.**—Abdomen lineare. Sexualia minima. **Fem.**—Abdomen apicem versus oblateolatum, apice compresso lœvi nitido.

Cubital vein forked at much beyond half its length; forks very slightly undulating, their tips diverging. First, second and third externo-medial veins nearly straight; third forming an obtuse angle with the praebachial, joining the fourth far from the border. Subanal joining the anal very near the border.

Asilus Thimbro, Walk.

Group 18.

Corpus mediocre, fere nudum. Caput latum, subtus parce pilosum. Facies fere plana. **Mystax parvus, setis paucis.** Proboscis sublinearis. Antennarum articulus 1us 2o triplo longior; 3us lanceolatus, 1o paullo brevior; arista brevissima. Thoracis latera vix setosa. Pedes validi, spinosi, non hirti.

Cubital vein forked at much beyond half its length; forks nearly straight. Extero-medial veins nearly straight; third form-

ing an obtuse angle with the præbrachial, joining the fourth very far from the border. Subanal joining the anal very near the border.

Asilus Dasius, Walk.

279. ASILUS CORISSUS.

Asilus Corissus, Cat. of Diptera, Pt. 2, 464.

280. ASILUS TAMPHILUS.

Asilus Tamphilus, Cat. of Diptera, Pt. 2, 440.

281. ASILUS ECHEPOLIS.

Asilus Echepolis, Cat. of Diptera, Pt. 2, 459.

282. ASILUS SOPHUS.

Asilus Sophus, Cat. of Diptera, Pt. 2, 435.

283. ASILUS GORGASUS.

Asilus Gorgasus, Cat. of Diptera, Pt. 2, 422.

284. ASILUS DIOCTRIÆFORMIS.

Mas. *Niger; mystax fulvo varius; facies longa angusta; thorax fuscus, vittis nigris; abdomen elongatum; tibiae testaceæ; alæ subfuscæ.*

Asilus dioctriæformis, Macq. Dipt. Exot. Suppl. 1, 90, 46, pl. 8 f. 13.

285. ASILUS TRIOPAS.

Asilus Triopas, Cat. of Diptera, Pt. 2, 444.

286. ASILUS HALMUS.

Asilus Halmus, Cat. of Diptera, Pt. 2, 446.

287. ASILUS MICROPTERUS.

Fœm. *Ater; flavo hirtus; femora viridescentia; tibiae testaceæ, posticæ subtus nigricantes, antice hirsutæ; tarsi fusci; alæ breves hyalinæ, apice fuscae.*

Asilus micropterus, Macq. Dipt. Exot. i. 2, 151, 41.

288. ASILUS VIBULANUS.

Asilus Vibulanus, *Cat. of Diptera*, Pt. 2, 438.

289. ASILUS ANTIORUS.

Asilus Antiorus, *Cat. of Diptera*, Pt. 2, 414.

290. ASILUS CORYMETA.

Asilus Corymeta, *Cat. of Diptera*, Pt. 2, 415.

291. ASILUS TEREBRATUS.

Fœm. *Ater; thorax flavidus, nigro vittatus; abdominis segme rufo marginata; terebra longa; pedes rufi, supra tarsi nigri; alæ flavescentes, postice subfuscæ.*

Asilus terebratus, *Macq. Dipt. Exot.* i. 2, 149, 37.

Exotic?

292. ASILUS EANES.

Asilus Eanes, *Cat. of Diptera*, Pt. 2, 417.

293. ASILUS MELLEUS.

Fœm. *Rubidus; facies argentata; antennæ nigrae, basi fu fulvæ; thorax nigro vittatus; abdomen nigricans, incis albidis; pedes mellei; alæ hyalinae.*

Asilus mellens, *Macq. Dipt. Exot.* i. 2, 151, 42.

294. ASILUS PENARIUS.

Asilus Penarius, *Cat. of Diptera*, Pt. 2, 439.

295. ASILUS CORYTHUS.

Asilus Corythus, *Cat. of Diptera*, Pt. 2, 440.

296. ASILUS OCHESIUS.

Asilus Ochesius, *Cat. of Diptera*, Pt. 2, 461.

297. ASILUS CORAS.

Asilus Coras, *Cat. of Diptera*, Pt. 2, 445.

298. ASILUS BALACRUS.

Asilus Balactus, *Cat. of Diptera*, Pt. 2, 442.

299. ASILUS HERCULES.

Cinereus; *mystax flavo-albus*; *antenna nigrae*; *thorax vittis nigricantibus*; *abdomen flavidum*; *pedes ferruginosi*; *alæ flavescentes*; *plaga fuscana*.

Asilus Hercules, *Wied. Auss. Zweifl.* i. 425.

300. ASILUS INUMBRATUS.

Asilus inumbratus, *Diptera Saundersiana*, Pt. 2, 134.

301. ASILUS RUFIPES.

Mas. *Cinereus*; *pedes rufæ, femoribus intus nigris*; *alæ hyalinæ, subflavescentes, areolis posticis ad discos cinereis*.

Asilus rufipes, *Macq. Dipt. Exot.* i. 2, 150, 38.

302. ASILUS VIRGO.

Fœm. *Cinereo-canescens*; *mystax pallide flavescentes*; *antennæ nigricantes*; *thorax late vittatus, abdomen subtessellatum*; *pedes rubidi, femoribus tibiisque apice nigris*; *alæ limpidae*.

Asilus Virgo, *Wied. Auss. Zweifl.* i. 446, 32.

303. ASILUS THIMBRO.

Asilus Thimbro, *Cat. of Diptera*, Pt. 2, 460.

304. ASILUS OCHRIPIES.

Fœm. *Flavido-cinereus*; *abdomen cinereum*; *pedes rufi, tarsis apice nigris*; *alæ flavescentes, apice subfuscæ*.

Asilus ochripes, *Macq. Dipt. Exot.* i. 2, 150, 40.

305. ASILUS DASIUS.

Asilus Dasius, *Cat. of Diptera*, Pt. 2, 462.

306. ASILUS? GROSSUS.

Niger, hirsutus; *caput antice, thorax et abdomen basi cinerea*; *thorax punctis duabus posticis flavis*; *alæ cinerea, venis fuscis*.

Asilus grossus, *Fabr. Syst. Anil.* 498, 113. *Wied. Auss. Zweifl.* i. 498, 113.

America.

307. ASILUS? MAURUS.

*Subferrugineus; antennæ ferrugineaæ; thorax vittis tribus dorsali-
bus pectusque punctis lateralibus nigris; abdominis segmenta
fusco marginata.*

Asilus maurus, *Linn. Fabr. Ent. Syst.* iv. 376, 2; *Syst. Anil.* 153, 2. *Wied. Auss. Zweifl.* i. 499, 114.

North Africa.

Genus 8. POLYPHONIUS.

Antennarum arista nuda, crassa; articulus 1us 2o multo bre-
vior. Femora intermedia incrassata; tibiae intermediae apice cal-
caratæ.

Polyphonus, *Loew, Linn. Ent.* iii. 402, 403.

1. POLYPHONIUS LÆVIGATUS.

*Ater; capite, thoracis vittis et maculis abdominis que cingulu-
ochraceo pollinosis; alæ subfuscantes.*

Polyphonus lævigatus, *Loew, Linn. Ent.* iii. 407, 1.

Rhodes.

Genus 9. ATRACTIA.

Corpus non depresso nec ciliatum. Facies prominens. An-
tennarum articulus 3us latus compressus fusiformis; arista non
ciliata. Alarum areola mediastinalis clausa; areolæ submarginales
duæ.

Attractia, *Macq. Dipt. Exot.* i. 2, 151.

Asilus, p., *Wied.*

1. ATRACTIA PSILOGASTER.

*Niger; mystax niger; antennæ basi rufescentes; thorax albo
pilosus; scutellum luteum; abdomen glabrum; pedes anteriores
niveo micantes; tibiae rubidae; alæ subobscureæ.*

Asilus psilogaster, *Wied. Auss. Zweifl.* i. 456, 49.

Attractia psilogaster, *Macq. Dipt. Exot.* i. 2, 152, 1.

Brazil.

Genus 10. OMMATIUS.

Corpus non depresso nec ciliatum. Facies prominens. Antennæ arista subtus ciliata. Alarum areola mediastinalis clausa; areolæ submarginales due.

Ommatius, Illiger; Wied.; Macq.

Asilus p., Fabr.

Dasyptogon, p., Fabr.

Like *Asilus* in the structure of the wing-veins.

North America.

1. OMMATIUS TIBIALIS.

Fuscus; antennæ nigrae; thorax vittatus; abdomen obsolete albo fasciatum; tibiæ albidae; ale apice obscuriores.

Ommatius tibialis, Say, Journ. Acad. Philad. 1822, 49. Wied. Auss. Zweifl. i. 422, 6.

Pennsylvania.

Mexico.

2. OMMATIUS PUMILUS.

Fœm. Cinereus; mystax flavidus; thorax vittis nigris; pedes nigri, tibiis basi testaceis; ale hyalinae apice subcinereæ.

Ommatius pumilus, Macq. Dipt. Exot. Suppl. 2, 42, 6.

Mexico.

West Indies.

3. OMMATIUS SACCAS.

Ommatius Saccas, Cat. of Diptera, Pt. 2, 474.

Jamaica.

South America.

4. OMMATIUS MARGINELLUS.

Cinereo-flavescens; thorax fusco vittatus; abdomen nigro-fuscum; pedes mellei, femoribus tibiisque apice nigris.

Asilus marginellus, Fabr. Spec. Ins. ii. 464, 22; Ent. Syst. Fiv. 384, 36.

Dasyptogon marginellus, Fabr. Syst. Antl. 170, 28.

Ommatius marginellus, Wied. Dipt. Exot. i. 213, 1; Auss. Zweifl. i. 421, 5. Macq. Dipt. Exot. i. 2, 134, 4, pl. 11, f. 4.

Brazil.

5. OMMATIUS RUFIPES.

Fœm. *Niger*; *mystax flavidus*; *antennæ basi apiceque testacea*; *thorax flavus*, *vittæ nigris*; *abdomen incisuris flavis*; *pedes rufi*; *alæ subflavescentes*.

Ommatius rufipes, *Macq. Dipt. Exot. Suppl.* i. 88, 5.

Colombia.

Africa.

A. Femora nigra.

A. Mystax niger. - - - - auribarbis, *Wied.*

B. Mystax albidus. - - - - pygmæus, *Wied.*

B. Femora fulva. - - - - jaculator, *Walk.*

6. OMMATIUS AURIBARBIS.

Flavidus; *barba aurea*; *mystax niger*; *antennæ nigrae*; *thorax nigro vittatus*; *abdomen et femora nigra*; *tibiæ tarsiique rufescens*; *alæ flavescentes*.

Ommatius auribarbis, *Mus. Berl. Wied. Auss. Zweifl.* i. 423, 9.

Sierra Leone.

7. OMMATIUS PYGMÆUS.

Mas. Nigello-fuscanus; *thorax vittis flavido-sejunctis latis*; *abdomen nigellum*, *incisuris albidis*; *pedes flavi*, *tibiis apice femoribusque nigris*; *alæ subflavescentes*.

Ommatius pygmæus, *Wied. Anal. Entom.* 26, 22; *Auss. Zweifl.* i. 424, 10.

Guinea.

8. OMMATIUS JACULATOR.

Ommatius Jaculator, *Diptera Saundersiana*, Pt. 2, 152.

Africa.

Madagascar.

9. OMMATIUS MADAGASCARIENSIS.

Mas. Niger; *thorax scapulis albis*; *femora anteriores fulva*; *tibiæ anteriores albidae*; *alæ flavescentes*.

Ommatius Madagascariensis, *Macq. Dipt. Exot.* i. 2, 133, 1, pl. II, f. 3.

Madagascar.

Isle of France.

10. OMMATIUS ALBOVITTATUS.

Niger; thorax albidus vittis nigris; abdomen fasciis lateralibus albis; alæ subcinereæ.

Ommatius albovittatus, *Wied. Anal. Entom.* 25, 20. *Auss. Zweifl.* i. 418, 1.

Isle of France.

11. OMMATIUS TARCHETIUS.

Ommatius Tarchetius, *Cat. of Diptera*, Pt. 2, 476.

Isle of France.

Asia.

A. Femora nigra.

A. Alæ flavescentes.

a. Thorax non vittatus. - - - fulvidus, *Wied.*

b. Thorax nigro vittatus. - - - conopsoides, *Wied.*

c. Thorax fusco vittatus. - - - Pennus, *Walk.*

B. Alæ sublimpidæ. - - - leucopogon, *Wied.*

B. Femora fulva.

A. Femora postica nigro fasciata. - - compeditus, *Wied.*

B. Femora anteriora nigro vittata. - - rufipes, *Macq.*

C. Femora tota pallida.

A. Alæ subflavescentes.

a. Abdomen nigrum. - - - dispar, *Macq.*

b. Abdomen fulvum, nigro fasciatum. - - auratus, *Fabr.*

B. Alæ limpidæ. - - - nanus, *Walk.*

12. OMMATIUS FULVIDUS.

Mas. *Fulvidus; antennæ apice nigrae; abdomen nigrum; incisuris fulvis; pedes nigri, tibiæ fulvis; alæ flavescentes.*

Ommatius fulvidus, *Wied. Dipt. Exot.* i. 214, 3; *Auss. Zweifl.* i. 420, 3. *Macq. Dipt. Exot. Suppl.* 3, 29, pl. 3, f. 2.

Asilus Garnotii, *Guér. Voy. de la Coquille, Zool.* ii. 292. *Atlas*, pl. 20, f. 8.

Java. Moluccas.

13. OMMATIUS CONOPSOIDES.

Flavidus; facies alba; antennæ nigrae; thorax nigro vittatus; abdomen nigrum, marginibus late canis; femora nigra; tibiæ fulvae; alæ subflavescentes, ad costam fuscescentes.

Ommatius conopoides, *Mus. Berl. Wied. Auss. Zweifl.* i. 422, 7.
Sumatra.

Var.? Mas. *Niger*; *facies alba*; *thorax nigro-fuscus*, *vitta lata atra*, *incisuris pectoreque canis*; *abdomen clavatum*, *segmentorum marginibus posticis canis*, *apice rufescens*; *tibia fulva*, *apice nigra*; *metatarsi subtus rufescentes*; *ala cinerea*, *apud costam fuscantes*, *dimidio basali postico sublimpido*.

Male. Inferior appendages of the abdomen much curved. Length of the body 5 lines; of the wings 8 lines. This may be a distinct species.

a. Sumatra. From Sir Stamford Raffles' collection.

14. OMMATIUS PENNUS.

Ommatius Pennus, *Cat. of Diptera*, Pt. 2, 469.

Var.? *Ommatius Coryphe*, *Cat. of Diptera*, Pt. 2, 469.

Borneo. Corea.

Fem. Style of the abdomen nearly as long as the anterior part, which is fusiform. Anterior femora tawny, with black tips; hind femora with a tawny subapical band.

a—c. Sumatra. From Sir Stamford Raffles' collection.

15. OMMATIUS LEUCOPOGON.

Niger; *barba alba*; *thorax vittis flavidō vix interstinctis*; *tibia posticā lutea*; *ala sublimpida*.

Ommatius leucopogon, *Wied. Anal. Entom.* 25, 21; *Auss. Zweifl.* i. 423, 8.

East Indies.

16. OMMATIUS COMPEDITUS.

Niger; *abdomen melleum*, *basi apiceque nigrum*; *pedes flavi*; *femoribus posticis nigro fasciatissimis*; *ala flavidæ*.

Ommatius compeditus, *Wied. Auss. Zweifl.* i. 419, 2.

East Indies?

17. OMMATIUS RUFIPES.

Mas. *Fulvidus*; *thorax nigro vittatus*; *abdomen fuscum incisuris fulvis*; *pedes fulvi*, *femoribus anterioribus nigro vittatis*; *ala subflavescentes apice fuscae*.

Ommatius rufipes, *Macq. Dipt. Exot.* i. 2, 133, 3, pl. 11, f. 5.

Java.

18. OMMATIUS DISPAR.

Thorax maris cinereus vittis fuscis, fœm. testaceus; abdomen nigrum; pedes fulvi; alæ subflavescentes apice fuscanæ, maris dilatatae.

Ommatius dispar, *Macq. Dipt. Exot. Suppl.* 3, 28, 7, pl. 3, f. 3.

Java.

19. OMMATIUS AURATUS.

Fœm. *Subtestaceus; thorax aureo micans, vittis fuscis; abdominis segmenta 4um et 5um nigra; alæ subtestacea.*

Ommatius auratus, *Wied., Macq. Dipt. Exot.* i. 2, 133, 2.

East Indies.

Male. Body and legs wholly testaceous. Abdomen slightly attenuated from the base to one-third of the length, fusiform from thence to the tip. Wings hardly grayish, with a slight testaceous tinge in front; union of the subcostal and radial veins nearer to the tip of the wings than in the female.

z. Punjab. Presented by Brigadier Hearsay.

20. OMMATIUS NANUS.

Ommatius nanus, *Diptera Saundersiana*, Pt. 2, 153.

East Indies.

Australia.

A. Femora nigra.

A. Tibiæ nigro vittatæ. - - - - - Lema, *Walk.*

B. Tibiæ non vittatæ. - - - - - Cœræbus, *Walk.*

B. Femora rufa. - - - - - Ialmus, *Walk.*

21. OMMATIUS LEMA.

Ommatius Lema, *Cat. of Diptera*, Pt. 2, 472.

New Holland.

22. OMMATIUS CŒRÆBUS.

Ommatius Cœræbus, *Cat. of Diptera*, Pt. 2, 473.

New Holland.

23. OMMATIUS IALMUS.

Ommatius Ialmus, *Cat. of Diptera*, Pt. 2, 479.

New Holland.

Sandwich Islands.

24. OMMATIUS ANDROCLES.

Ommatius Androcles, *Cat. of Diptera*, Pt. 2, 470.

Country unknown.

A. Tibiæ nigrae.

- A. Femora tibiæque omnino nigra. - - - Papus, Walk.
- B. Femora tibiæque basi rufa. - - - Amyclæus, Walk.
- B. Tibiæ rufa, nigro vittata; posticæ nigrae. Plautius, Walk.
- C. Tibiæ flavae, apice nigrae.

 - A. Alæ subfuscæ. - - - Pera, Walk.
 - B. Alæ limpidæ. - - - Hecale, Walk.
 - D. Tibiæ ferrugineaæ. - - - Ademon, Walk.

25. OMMATIUS PAPUS.

Ommatius Papus, *Cat. of Diptera*, Pt. 2, 472.

26. OMMATIUS AMYCLÆUS.

Ommatius Amyclæus, *Cat. of Diptera*, Pt. 2, 477.

27. OMMATIUS PLAUTIUS.

Ommatius Plautius, *Cat. of Diptera*, Pt. 2, 471.

28. OMMATIUS PERA.

Ommatius Pera, *Cat. of Diptera*, Pt. 2, 475.

29. OMMATIUS HECALE.

Ommatius Hecale, *Cat. of Diptera*, Pt. 2, 476.

30. OMMATIUS ADEMON.

Ommatius Ademon, *Cat. of Diptera*, Pt. 2, 478.

Genus 11. LECANIA.

Corpus non depresso nec ciliatum. Facies prominens. Mystax mediocris. Antennarum arista longissima, lamella terminali. Alarum areola mediastinalis clausa; areolæ dua submarginales, 2a simplex.

Lecania, *Macq. Dipt. Exot.* i. 2, 131.

Radial vein nearly straight, joining the subcostal at some distance from the tip of the latter. Cubital forked at very much beyond half its length; forks hardly undulating, a little nearer to each other in the middle than towards each end. First and second externo-medial veins nearly straight; third slightly curved, forming an obtuse angle with the prebrachial, joining the fourth far from the border. Subanal joining the anal at some distance from the border.

South America.

1. LECANIA RUFIPES.

Flavida; thorax nigro vittatus; abdomen nigrum; pedes rufi; alæ flavescentes.

Lecania rufipes, Macq. *Dipt. Exot.* i. 2, 131, pl. 11, f. 2.

Brazil.

Var.? Mas. et fœm. *Cervina; caput et pectus alba, illum albo pilosum; antennæ rufescentes; thorax vittis duabus dorsalibus maculisque lateralibus fuscis; abdomen supra piceum marginibus posticis fulvis, apice nigrum; pedes fulvi, femoribus posterioribus tarsisque apice nigris; alæ subfuscantes, apice obscuriores.*

Fawn colour. Head and pectus white. Head clothed beneath with white hairs. Face slightly convex towards the epistoma. Mystax small. Proboscis black, lanceolate. Antennæ dull reddish; first joint more than twice the length of the second; third elongate-conical, much shorter than the first; arista full four times the length of the third. Thorax with two brown dorsal stripes, and four brown lateral oblique spots. Abdomen above piceous; hind borders of the segments tawny; tip black. Legs pale tawny, with a few black spines; tips of the posterior femora and of the tarsi black. Wings slightly brownish, darker towards the tips. Halteres testaceous. *Male*.—Arista dilated at the tip. Sexualia of moderate size; forceps broad, obtuse. *Fem.*.—Arista not dilated. Apical fourth part of the abdomen stylate. Length of the body 7—8 lines; of the wings 12—13 lines.

a. Santarem, Brazil. From Mr. Bates' collection.

b. —?

Country unknown.

2. LECANIA FEMORATA.

Mas. *Nigra*; *thorax flavido bivittatus*; *pedes rufi, femoribus incrassatis externe fuscis*; *alæ flavescentes, apice subfuscæ*.

Lecania femorata, *Macq. Dipt. Exot.* i. 2, 132, 2.

Genus 12. SENOPROSOPUS.

Corpus non depresso nec ciliatum. Facies plana, angusta. *Mystax mediocris*. Thorax non cristatus. Abdomen non carinatum; *maris sexualia mediocria*; *fem. terebra non spinosa*. Alarum areola mediastinalis clausa; areola submarginalis 2a simplex; 4a posterior petiolata.

Senoprosopus, *Macq. Dipt. Exot.* i. 2, 130.

1. SENOPROSOPUS DIARDII.

Mas. *Rufescens*; *thorax fusco vittatus*; *abdomen nigrum, incisuris albidis*; *pedes flavi, femoribus posticis tarsisque nigris*; *alæ flavæ, apice fuscanae*.

Senoprosopus Diardii, *Macq. Dipt. Exot.* i. 2, 130, 1, pl. 11, f. 1.

Bengal.

Genus 13. DAMALIS.

Corpus non depresso nec ciliatum. Onychia conspicua. Alarum areola mediastinalis aperta; areolæ duæ submarginales.

Damalis, *Fabr. Syst. Antl.* 148; *Wied*; *Macq.*

Dioctria, p., *Wied. Dipt. Exot.*

Dasytopogon, p., *Wied. Dipt. Exot.*

Damalis et Chalcidomorpha, *Westw.*

South America.

1. DAMALIS? DIVISA.

Nigra; *abdominis segmenta marginibus posticis canis*; *metatarsi basi et genua fulvescentia*; *alæ limpidae, dimidio basali nigricante*; *halteres flavi*.

Black. Face silvery white. Thorax with brownish tomentum. Pectus hoary. Abdomen full twice the length of the thorax; hind

borders of the segments hoary. Legs shining; metatarsi towards the base and knees tawny. Wings limpid; basal half blackish; veins black. Halteres pale yellow. Length of the body $3\frac{1}{2}$ —4 lines; of the wings 6—7 lines.

a, b. Santarem. From Mr. Bates' collection.

Africa.

- A. Alæ limpidae, venis fusco limbatis. - - - capensis, Wied.
- B. Alæ fuscæ. - - - hirtiventris, Macq.
- C. Alæ limpidae. - - - hyalipennis, Macq.

2. DAMALIS CAPENSIS.

Fœm. Nigra; thorax fuscus; abdomen obscure coriaceum; pedes fulvi, tibiis antice femoribusque nigris; alæ limpidae, venis fusco limbatis.

Dioctria heterocera, Wied. Dipt. Exot. i. 162, 6.

Dasygogon anomalus, Wied. Dipt. Exot. i. 232, 35.

Damalis capensis, Wied. Auss. Zweifl. i. 416, 1.

Cape.

3. DAMALIS HIRTIVENTRIS.

Mystax, antennæ pedesque nigra, thorax flavidus, vittis nigris; abdomen fuscanum, apice nigrum; femora apice tibiæque fulva; alæ fuscæ.

Damalis hirtiventris, Macq. Dipt. Exot. Suppl. 1 94, 3.

Caffraria.

4. DAMALIS HYALIPENNIS.

Albida; mystax antennæque nigra; thorax vittis fuscis; abdomen maculis dorsalibus nigris; pedes testacei; alæ hyalinæ.

Damalis hyalipennis, Macq. Dipt. Exot. Suppl. i. 95, 4, pl. 8, f. 19.

Caffraria.

Asia.

A. Alæ apice saltem pallidæ.

A. Abdomen chalybeum.

 A. Pedes mellei. - - - - - myops, Fabr.

 B. Pedes rufi. - - - - - tibialis, Macq.

B. Abdomen æneum. - - - - - Andron, Walk.

- C. Abdomen nigrum.* - - - - - *fuscus, Walk.*
D. Abdomen flavum. - - - - - *planiceps, Fabr.*
E. Abdomen melleum, nigro maculatum. - *maculata, Wied.*
B. Alæ totæ nigro-fuscae. - - - - - *fumipennis, Walk.*

5. DAMALIS MYOPS.

Nigella ; abdomen chalybeum ; pedes mellei, femoribus apice nigris ; alæ basi ultra medium fuscae.

Damalis myops, Fabr. Syst Antl. 148, 4. Wied. Auss. Zweifl. i. 417, 3.

Sumatra.

6. DAMALIS TIBIALIS.

Mas. Atra ; thorax latera rufa ; abdomen violaceo nitens ; pedes rufi, femoribus supra nigris, tibiis posticis apice crassis ; alæ hyalinae, basi fuscaneæ.

Damalis tibialis, Macq. Dipt. Exot. i. 2, 154, 1, pl. 12, f. 6.

Damalis myops, var.

East Indies.

7. DAMALIS ANDRON.

Damalis Andron, Cat. of Diptera, Pt. 2, 480.

China.

8. DAMALIS FUSCA.

Damalis fusca, Cat. of Diptera, Pt. 2, 481.

North Bengal.

9. DAMALIS PLANICEPS.

Thorax nigellus, limbo scutelloque flavidis ; abdomen pedeisque flava ; alæ dimidio basali nigro-fusco.

Damalis planiceps, Fabr. Syst. Antl. 148, 2. Wied. Zool. Mag. i. 60, pl. 2, f. 4 ; Auss. Zweifl. i. 417, 4. Macq. Dipt. Exot. i. 2, 154, 2.

Coromandel, Tranquebar.

10. DAMALIS MACULATA.

Mas. Nigra ; thorax flavidus, disco nigello ; abdomen melleum, utrinque nigro maculatum ; pedes ferruginei, fasciis nigri-cantibus ; alæ flavescentes.

Damalis maculata, *Wied. Auss. Zweifl.* i. 416, 2.

Java.

11. **DAMALIS FUMIPENNIS.**

Nigro-cuprea; antennæ nigra; thoracis latera fulvescentia; pedes fulvi, coxis tibiis apice tarsisque nigricantibus; alæ nigro-fuscae.

Cupreous black. Antennæ black. Pectus and sides of the thorax dull tawny. Legs tawny; coxae, tarsi and tips of the tibiae blackish; hind femora armed with short spines; hind tibiae much curved. Wings blackish brown. Halteres testaceous. Length of the body 3 lines; of the wings 6 lines.

a. Java. From the East India Company's collection.

Australia.

12. **DAMALIS FUSCIPENNIS.**

Facies mystax barbaque albida; antennæ nigra; thorax flavus, vittis nigris; abdomen et pedes fulva; alæ fuscae.

Damalis fuscipennis, *Macq. Dipt. Exot. Suppl.* 1, 95, 5.

New Holland.

Country unknown.

The following species is the type of the genus *Chalcidomorpha* of Westwood, who has described it as follows:—

“Caput brevissimum, latum, oculis maximis elevatis. Proboscis capitis longitudine, perpendicularis. Palpi brevissimi, setigeri. Antennæ breves; articulus Ius parvus, cylindricus; 2us paulo major, cyathiformis; 3us longior, conicus, apice longe setiger. Thorax elevatus, antice in collum attenuatus. Abdomen crassum, laxe. Femora postica incrassata, subtus serie duplii denticulorum; coxae et trochanteres magna; tibiæ arcuatæ.”

Chalcidomorpha, *Westw. Ann. Soc. Ent. Fr.* iv. 684.

13. **DAMALIS FULVIPES.**

Niger; frons albida; thorax cinereus, vix pubescens, lateribus scutelloque subalbidis; abdomen flavum; pedes fulvi, femoribus apice nigris, posticis 10-denticulatis; alæ hyalinæ, dimidio infumato, in medio obscurioribus.

Chalcidomorpha fulvipes, *Westw. Ann. Soc. Ent. Fr.* iv. 68, 41.

Genus 14. PHENEUS.

Corpus longi-obconicum. Antennarum articuli 1us et 2us breves; 3us longior, conicus, arista longissima. Abdomen longi-obconicum. Pedes postici longi, validi.

Pheneus, Diptera Saundersiana, Pt. 2, 155.

Fore fork of the cubital vein slightly undulating; hind fork nearly straight, parallel to the first externo-medial; third externo-medial forming an obtuse angle with the prebrachial, joining the fourth at a short distance from the border. Subanal inclined towards the anal, but at a short distance from it on the border.

1. PHENEUS TIBIALIS.

Pheneus tibialis, Diptera Saundersiana, Pt. 2, 156, pl. 4, f. 3.

Jamaica.

Genus 15. LEPTOGASTER.

Corpus mediocre, aut parvum, fere nudum. Proboscis porrecta. Antennarum articulus 3us lanceolatus; arista brevis. Abdomen longum, gracile, obclavatum. Pedes graciles, postici longi; femora tibiæque subclavata; onychia nulla. Alæ breves; venæ subcostalis et radialis non conjunctæ.

Leptogaster, Meig. Klass. Zweifl.; Wied.; Zell.; Zett.; Loew. Asilus, p., Deg.; Geoffr.; Fabr. Ent. Syst.; Schr.

Dasyppogon, p., Fabr. Syst. Antl.

Gonytes, Latr.; Macq.

Europe and Asia Minor.

A. Alæ limpidae.

A. Antennæ nigrae.

A. Abdomen flavo non maculatum.

a. Femora tibiæque apicem versus fusca. hispanicus, Meig.
b. Femora postica ante apicem nigro-cingulata.

nigricornis, Loew.

B. Abdomen flavo maculatum. - - variegatus, Loew.

B. Antennarum articulus 2us rufus aut flavo-ferrugineus.

A. Femora non nigro lineata.

a. Antennarum arista pubescens. - - guttiventris, Zell.
b. Antennarum arista nudiuscula.

i. Antennarum articulus 3us non pubescens.

gracilis, Loew.

- ii. *Antennarum articulus 3us subtus distincte pubescens. pubicornis, Loew.*
- b. *Femora postica nigro lineata.*
 - a. *Areola submarginalis 2a longa, breviter petiolata. cylindricus, Deg.*
 - b. *Areola submarginalis 2a brevis, longissime petiolata. pedunculatus, Loew.*
- C. *Antennarum articuli 1us et 2us flavi.*
 - a. *Abdomen flavo non maculatum. - palparis, Loew.*
 - b. *Abdomen flavo maculatum. - subtilis, Loew.*
- B. *Alæ semifuscæ. - - - - - Pallasii, Wied.*

1. LEPTOGASTER PALPARIS.

Palpi et antennarum articuli 1us et 2us flavi.

Leptogaster palparis, Loew, Linn. Ent. ii. 396, 1.

Stanchio.

2. LEPTOGASTER HISPANICUS.

Antennæ nigrae; femora tibiæque pallide flava, apicem versus fuscescentia.

Leptogaster hispanicus, Meig. Zweifl. vii. 76, 4. Loew, Linn. Ent. ii. 397, 2.

Spain.

3. LEPTOGASTER GUTTIVENTRIS.

Fœm. *Cinerascens; thoracis dorsum vittis 3 obscure fuscis; abdomen supra fuscescens, incisuris glaucis; pedes flavi, tibiæ intus, femorum posteriorum annulo apicali, tarsorumque omnium articulis 4 ultimis, nigro-fuscis; alæ hyalinæ abdomine paullo breviores.*

Leptogaster guttiventris, Stæger, MSS. Zett. Dipt. Scand. i. 187, 2. Loew, Linn. Ent. iii. 397, 3.

Leptogaster cylindricus? Meig. Dipt. ii. 243, 1, pl. 21, f. 16.

Leptogaster pallipes, var., Ros. Conop. Wurt. Landw. Ver. 1840, 1, 1.

North Europe.

4. LEPTOGASTER GRACILIS.

Gracillimus; antennarum articulus 2us flavo-ferrugineus, arista nudiuscula; femora postica ante apicem valde incrassata, latissime nigro annulata.

Leptogaster gracilis, Loew, Linn. Ent. ii. 399, 4.

Makri, Asia Minor.

5. LEPTOGASTER SUBTILIS.

Fœm. *Gracillimus; proboscis flava; antennæ pallide flave, apice fusca; abdomen flavo maculatum.*

Leptogaster subtilis, Loew, Linn. Ent. ii. 401, 5.

South Italy.

6. LEPTOGASTER VARIEGATUS.

Proboscis et antennæ nigrae; abdomen nigrum, flavo maculatum.

Leptogaster variegatus, Loew, Linn. Ent. ii. 402, 6.

Leptogaster nitidus, Macq. Dipt. Nord. Asil. 12, 3; Meig. Zweifl. vii. 77, 5.

Gonypes nitidus, Macq. Hist. Nat. Dipt. i. 316, 4.

France.

7. LEPTOGASTER CYLINDRICUS.

Antennarum articulus 2us flavo-ferrugineus; femora postica longitudinaliter nigro lineata; areola submarginalis 2a longa, breviter pedunculata.

Leptogaster cylindricus, Meig. Zweifl. ii. 343, 1.

Asilus cylindricus, Deg.

Gonypes cylindricus, Macq. Expl. Sci. Alg. iii. Ins. 443, 80, 439, 69.

North and Middle Europe. Eastern Siberia. North Africa.

a.—e. England. From Mr. Stephens' collection.

Var.? *Cinerascens; antennæ nigrae, articulus 2o rufo-ferrugineus; thoracis dorsum nigrum; pedes flavo-ferruginet, longitudinaliter nigro lineati; alæ hyalinæ, abdomine dimidio breviore.*

Leptogaster dorsalis, Dahlb. Act. Holm. 1850, 159. Zett. Dipt. Scand. xi. 4263.

Sweden.

8. LEPTOGASTER PEDUNCULATUS.

Antennarum articulus 2us apice, 3us basi rufo-ferruginei; femora postica longitudinaliter nigro lineata; areola submarginalis 2a brevis, longissime pedunculata.

Leptogaster pedunculatus, Loew, Linn. Ent. ii. 405, 8.

Sicily.

9. LEPTOGASTER NIGRICORNIS.

Robustus; antennæ nigrae; femora postica ante apicem nigro cingulata.

Leptogaster nigricornis, Loew, Linn. Ent. ii. 407, 9.

Sicily.

10. LEPTOGASTER PUBICORNIS.

Fœm. *Robustior; antennarum articulus 3us basi 2usque rufo-ferruginei, 3us subitus distincte pubescens; femora postica latissime nigro-cingulata.*

Leptogaster' pubicornis, Loew, Linn. Ent. ii. 408, 10.

Hungary.

11. LEPTOGASTER PALLASII.

Fœm. *Niger; alæ semifuscæ; pedes pallide flavi, femorum fasciis, tibiis apice tarsisque fuscis.*

Leptogaster Pallasii, Wied. Zool. Mag. i. 2, 37. Meig. Zweifl. ii. 345, 3. Loew, Linn. Ent. ii. 409, 11.

South Russia.

North America.

12. LEPTOGASTER HISTRIO.

Rubido-fuscus; thorax vittis tribus nigellis; abdomen fuscum, albido fasciatum; pedes flavi, postici fusco fasciati; alæ limpidae.

Leptogaster annulatus, Say, Journ. Acad. Philad. iii. 75, 1.

Leptogaster Histrio, Wied. Auss. Zweifl. i. 535, 5.

Pennsylvania.

13. LEPTOGASTER NITIDUS. (Nomen bis lectum.)

Fœm. *Testaceus, nitidus; abdomen fuscum; pedes rufi, femoribus posticis basi flavis medio fusco-cinctis, tibiis posticis apice fuscis; alæ flavescentes, apice subcinereæ.*

Gonytes nitidus, Macq. Dipt. Exot. i. 2, 155, 1, pl. 12, f. 7.

Carolina.

South America.

A. Abdomen supra totum nigrum aut piceum.

A. Thorax piceus. - - - - - niger, Wied.

B. Thorax testaceus, nigro vittatus. - - - Audouinii, Macq.

C. Thorax nigricans, lateribus testaceo lineatis. fuscipennis, Blanch

B. Abdomen nigro-fuscum, basi luteum. - - - - - basalis, Walk.

C. Abdomen incisuris aut fasciis pallidus.

A. Alæ flavidæ, apice fuscaneæ. - - - - - rubidus, Wied.

B. Alæ subhyalinæ aut limpidae.

A. Pedes non fasciati. - - - - - bicolor, Macq.

B. Pedes fasciati.

a. Femora unifasciata. - - - - - ferrugineus, Walk.

b. Femora et tibiae bifasciata.

i. Thorax maculatus. - - - - - gracillimus, Walk.

ii. Thorax non maculatus. - - - - - multicinctus, Walk.

c. Femora et tibiae trifasciata. - - - - - annulipes, Walk.

14. LEPTOGASTER NIGER.

*Picea ; facies alba ; metatarri flavi ; femora postica fusco-flava,
basi albido-flava, apice nigro-fusca ; alæ subflavescentes.*

Leptogaster niger, Wied. Auss. Zweijl. i. 533, 1.

a. Pará. From Mr. Bates' collection.

b. Santarem. From Mr. Bates' collection.

c. Tapayos. From Mr. Bates' collection.

15. LEPTOGASTER AUDOUINII.

Mas. *Testaceus, nitidus ; thorax nigro vittatus ; abdomen et
pedes nigra ; pedes postici elongati, tibias basi metatarsisque
albidis ; alæ subflavescentes, apice subcineræ.*

Gonypes Audouinii, Macq. Dipt. Exot. i. 2, 125, 2.

a. South America. From Mr. Saunders' collection.

16. LEPTOGASTER BASALIS.

*Pallide luteus ; abdomen nigro-fuscum, basi luteum ; pedes postici
fusci, femorū fascia ante apicali basique luteis ; alæ fusco-
violacea, apice hyalinæ.*

Male. Pale luteous. Abdomen blackish brown, very long and slender; first segment luteous, brown above towards the tip; hind

borders of the second and third segments luteous on each side. Legs long and slender; hind legs brown, their femora luteous towards the base, and with a luteous band near the tips. Wings violet-brown, nearly limpid towards the tips, which are gray; some nearly hyaline streaks towards the hind border. Length of the body 6 lines; of the wings 10 lines.

a. Ega, on the Amazon. From Mr. Bates' collection.

17. LEPTOGASTER FUSCIPENNIS.

Nigricans; facies albido sericea; thoracis latera testaceo lineata; pedes fusco-nigri; alæ tota nigricantes.

Gonyptes fuscipennis, *Blanch. Gay, Hist. de Chile, Zool. vii. 371, 1. Atlas, pl. 3, f. 6.*

Santiago.

18. LEPTOGASTER RUBIDUS.

Rubidus; abdomen incisuris luteis; pedes flavescentes, femoribus anterioribus apice posticisque totis fuscis; alæ flavidae, apice fuscanæ.

Leptogaster rubidus, *Wied. Dipt. Exot. i. 242. Auss. Zweift. i. 533, 2.*

South America.

19. LEPTOGASTER BICOLOR.

Fœm. *Thorax testaceus nitidus; abdomen fuscum, incisuris flavidis; pedes fulvi; alæ subhyalinæ.*

Gonyptes bicolor, *Macq. Dipt. Exot. Suppl. 3, 31, 3.*

Rio Negro.

20. LEPTOGASTER FERRUGINEUS.

Mas. *Ferrugineus; pectus thoracisque latera cana; abdomen supra nigricans; femora postica fuscia subapicali fulva; alæ subcinereæ, venis nigris; halteres albi, apice fusi.*

Male. Ferruginous. Proboscis and antennæ tawny. Pectus and sides of the thorax hoary. Abdomen blackish above. Legs moderately stout; hind femora with a tawny subapical band. Wings very slightly grayish; veins black. Halteres white, with brown knobs. Length of the body 7 lines; of the wings 10 lines.

a. Pará. From Mr. Bates' collection.

21. LEPTOGASTER GRACILLIMUS.

Mas. Niger; antennæ, proboscis et thoracis maculæ fulvescentia; pectus testaceum, vittis duabus obliquis nigris; abdomen gracillimum segmentis basi fulvis; pedes anteriores testacei, femoribus nigro vittatis, tibis fusco vittatis; postici nigri, femoribus tibiisque fulvo vittatis, metatarsis testaceis.

Male. Black, shining. Proboscis and antennæ tawny, the latter brownish towards the tips. Thorax with tawny spots. Pectus testaceous, with a black oblique stripe on each side. Abdomen very slender, more than six times the length of the thorax; segments tawny at the base. Anterior legs tawny; each femur and tibia with a black band; knees black; tarsi with very long spines. Hind legs black; femora and tibiae with tawny subapical bands; femora and tarsi tawny towards the base. Wings limpid; veins black. Halteres whitish, with black knobs. Length of the body $4\frac{1}{2}$ lines; of the wings 5 lines.

a. Parà. From Mr. Bates' collection.

22. LEPTOGASTER MULTICINCTUS.

Leptogaster multicinctus, Diptera Saundersiana, Pt. 2, 155.

South America.

23. LEPTOGASTER ANNULIPES.

Mas. Piceus; pectus fulvum, albido tomentosum; abdomen nigrum, segmentorum marginibus posticis testaceis; pedes fulvi, femoribus tibiis tarsisque basi albidis, femoribus tibiisque fusco trifasciatis, tarsis posticis genubusque fuscis; ale limpida.

Male. Piceous. Head, proboscis and antennæ black. Pectus tawny, with whitish tomentum. Abdomen black; hind border of the segments testaceous. Legs tawny, rather stout; knees brown; femora, tibiae and tarsi whitish towards the base; femora and tibiae with three brown bands; hind tarsi mostly brown. Wings limpid; veins black. Halteres testaceous, with brown knobs. Length of the body 4 lines; of the wings 6 lines.

a. Parà. From Mr. Bates' collection.

Africa.

- A. Alæ subflavescentes. - - - - nitidus, Wied.
 B. Alæ subhyalinæ, stigmate nigro-fusco. - stigmaticalis, Loew.
 C. Alæ subhyalinæ. - - - - albitarsis, Macq.
 D. Alæ flavo-fusca, basi obscuriores. - - - Proculus, Walk.
 E. Alæ fuscæ, ad costam ferrugineaæ. - - - Datis, Walk.

24. LEPTOGASTER NITIDUS.

*Glaucescens; thorax nigro vittatus; abdomen nigro fasciatum;
pedes flavi, postici nigro-cincti; alæ subflavescentes.*

Leptogaster nitidus, Wied. Auss. Zweiftl. i. 536.

Nubia.

25. LEPTOGASTER STIGMATICALIS.

Facies, mystax, pleuræ, et scutellum albida; thorax levius, nitidus, obscure badius; alæ subhyalinæ, basi flavescentes, stigmate distinctissimo nigro-fusco.

Leptogaster stigmaticalis, Loew, Bericht Verhandl. Kon. Preuss. Akad. Wissenschaft. Berl. 1852, 658, 5.

Mozambique.

26. LEPTOGASTER ALBITARSIS.

Mas. Ater; facies mystaxque flava; pedes fulvi, tibiis posticis apice nigris, metatarso antico albo; alæ subhyalinæ.

Leptogaster cylindricus, var.?

Gonyptes albitarsis, Macq. Dipt. Exot. Suppl. 1, 96, 3.

Caffaria.

27. LEPTOGASTER PROCULUS.

Leptogaster Proculus, Cat. of Diptera, Pt. 2, 482.

Sierra Leone.

28. LEPTOGASTER DATIS.

Leptogaster Datis, Cat. of Diptera, Pt. 2, 483.

Sierra Leone.

Asia.

29. LEPTOGASTER MARION.

Leptogaster Marion, Cat. of Diptera, Pt. 2, 484.

North Bengal.

Australia.

30. LEPTOGASTER PEDANIUS.

Leptogaster Pedanius, *Cat. of Diptera*, Pt. 2, 484.

New Holland.

Country unknown.

- A. Thorax nigro vittatus. - - - - - vittatus, *Wied.*
B. Thorax non vittatus. - - - - - glabratus, *Wied.*

31. LEPTOGASTER VITTATUS.

Rubidus; *thorax nigro vittatus*; *abdomen fuscum, fasciis albidis;*
pedes flavi; *femora puncto apicali fusco*.

Leptogaster vittatus, *Wied. Auss. Zweifl.* i. 534, 3.

32. LEPTOGASTER GLABRATUS.

Hyacinthino-glaber; *antennæ flavæ*; *abdomen fuscum, flavido*
fasciatum; *pedes mellei*; *femora puncto apicali fusco*; *ale*
limpidae.

Leptogaster glabratus, *Wied. Auss. Zweifl.* i. 534, 4.

A D D E N D A .

ERAX CHILENSIS.

Nigricans, cinereo sericeus; thorax nigro vittatus; abdomen nigrum segmentis tribus ultimis albido cinereis; pedes nigri, tibiis flavo-rufis; alæ dilatatae; venæ cubitalis furca antica ramulum rejiciens.

Erax chilensis, Macq. Dipt. Exot. Suppl. 4. Mém. de Lille (1849), 387. Blanch. Gay, Hist. de Chile, Zool. vii, 369, 2.

Chili. Bolivia.

Fam. STRATIOCIDÆ.

Genus LASIOPA.

Caput haud productum. Proboscis basi fracta, fere omnino exserta, postice inflexa. Antennæ porrectæ, triarticulatae; articulus 1us cylindricus, subelongatus; 2us subconicus, 1o paullo brevior; 3us, 4us, 5us et 6us breves, approximati, 1o et 2o conjunctim fere æquales; arista crassa, pilosa, articuli 3i longitudine, annulis duobus, 1o brevi subrotundo. Scutellum muticum. Alarum venæ ut in *Nemotelis*. *Mas.*—Oculi subapproximati. *Fœm.*—Oculi valde remoti. Arista latior.

Lasiopa, Brullé, Exped. Scient. Moree, 3me Sér. Zool. 307.

1. LASIOPA PELETERIA.

Atra; abdomen subviolascens. Mas.—Nigro hirta; thorax haud vittatus; abdominis segmenta vix rufo villosa. Fœm.—Rufo hirta; thorax vittis quatuor rufis; abdominis segmenta postica rufo hirta.

Lasiopa Peleteria, Brullé, Exped. Sci. Moree, 3me Sér. Zool. 307. Atlas, pl. 47, f. 6.

Forest of Koubéh, Morea.





